



**PURCHASING DEPARTMENT  
INVITATION TO BID NO. 05ITB45495C**

**HEAVY EQUIPMENT**

**DEPARTMENT OF PUBLIC WORKS**

**BID DUE TIME AND DATE:** 11:00 A.M., July 27, 2005  
**PURCHASING CONTACT:** William E. Long, Jr. at (404) 730-7660  
**E-MAIL:** [william.long@co.fulton.ga.us](mailto:william.long@co.fulton.ga.us)

**LOCATION:** FULTON COUNTY PURCHASING DEPARTMENT  
130 PEACHTREE STREET, S.W., SUITE 1168  
ATLANTA, GA 30303

---

## Table of Contents

### **SECTION 1 Invitation to Bid**

- 1.0 Purpose
- 1.1 Bid Document
- 1.2 Term of Contract
- 1.3 No Contact Provision
- 1.4 Bid Contact
- 1.5 Bid Opening
- 1.6 Proposal Due Date
- 1.7 Delivery Requirements
- 1.8 Basis of Award

### **SECTION 2 Instructions to Bidders**

- 2.0 Bid General Requirements
- 2.1 Definitions
- 2.2 Clarification and Interpretations
- 2.3 Right to Reject Bids
- 2.4 Disqualification of Bidders
- 2.5 Applicable Laws
- 2.6 Examination of Contract Documents
- 2.7 Termination
- 2.8 Indemnification and Hold Harmless Agreement
- 2.9 Irrevocable Offer

### **SECTION 3 Purchasing Forms & Instructions**

- 3.1 Introduction
- 3.2 Procurement Affidavit Forms Description
  - 3.2.1 Certification Regarding Debarment
  - 3.2.2 Non-Collusion Affidavit
  - 3.2.3 Certificate of Acceptance of Invitation to Bid Requirements

### **SECTION 4 Contract Compliance Requirements**

- 4.1 Non-Discrimination in Contracting and Procurements
- 4.2 Required Forms and EBO Plan
  - Exhibit A – Promise of Non-Discrimination
  - Exhibit B – Employment Report
  - Exhibit C – Schedule of Intended Subcontractor Utilization
  - Exhibit D – Letter of Intent to Perform As a Subcontractor or Provide Materials or Services
  - Exhibit E - Declaration Regarding Subcontracting Practices
  - Exhibit F - Joint Venture Disclosure Affidavit
  - Exhibit G - Prime Contractor/Subcontractor Utilization Report

### **SECTION 5 Specifications and Bid Pricing Sheets**

## SECTION 1

### INVITATION TO BID

05ITB45495C

### HEAVY EQUIPMENT

#### 1.0 **Purpose:**

Fulton County is soliciting bids from qualified vendors to provide heavy equipment to the Public Works Department.

#### 1.1 **Bid Document**

This document and supporting documents can be downloaded at the Fulton County Website, <http://www.co.fulton.ga.us/> under "Bid Opportunities".

#### 1.2 **Term of Contract:**

Any award made as a result of this bid shall be for twelve (12) months from the date of award by the Board of Commissioners. The County reserves the right for an option of one (1) additional twelve (12) month renewal period pending approval by the Board of Commissioners, vendor satisfactory performance and the availability of departmental appropriated funding.

#### 1.3 **No Contact Provision**

It is the policy of Fulton County that the evaluation and award process for County contracts shall be free from both actual and perceived impropriety, and that contacts between potential vendors and County officials, elected officials and staff regarding pending awards of County contracts shall be prohibited.

- A. No person, firm, or business entity, however situated or composed, obtaining a copy of or responding to this solicitation, shall initiate or continue any verbal or written communication regarding this solicitation with any County officer, elected official, employee, or designated County representative, between the date of the issuance of this solicitation and the date of the County Manager's recommendation to the Board of Commissioners for award of the subject contract, except as may otherwise be specifically authorized and permitted by the terms and conditions of this solicitation.
- B. All verbal and written communications initiated by such person, firm, or entity regarding this solicitation, if same are authorized and permitted by

the terms and conditions of this solicitation, shall be directed to the Purchasing Agent.

- C. Any violation of this prohibition of the initiation or continuation of verbal or written communications with County officers, elected officials, employees, or designated County representatives shall result in a written finding by the Purchasing Agent that the submitted Bid or proposal of the person, firm, or entity in violation is “non-responsive”, and same shall not be considered for award.

#### **1.4 Bid Contact**

Information regarding the bid, either procedural or technical, may be obtained by contacting William Long, Chief Assistant Purchasing Agent, [william.long@co.fulton.ga.us](mailto:william.long@co.fulton.ga.us), at (404) 730-7660, Fulton County Department of Purchasing. Information regarding the bid requirements may be obtained by using the following procedure. Inquiries must be submitted in writing to;

**Fulton County Purchasing Department  
Attn: William E. Long, Jr.  
130 Peachtree Street, S.W. Suite 1168  
Atlanta, GA 30303  
Phone: (404) 730-7660  
Fax: (404) 893-6268  
Reference Bid # 05ITB45495C**

#### **1.5 Bid Opening**

Bids will be opened in public and read aloud on **July 27, 2005 at 11:00 A.M., local time** in the Fulton County Purchasing Department's bid room, located at 130 Peachtree Street, S.W., Atlanta, Georgia 30303. Bids received after 11:00 A.M., will be considered late and will be returned to the bidder unopened. Bidders may, at their discretion, attend the bid opening. **Bidders are to submit two (2) copies, one (1) originally signed and one (1) copy.**

#### **1.6 Proposal Due Date**

All Bids are due in the Purchasing Department of Fulton County located in the Public Safety Building, Suite 1168, 130 Peachtree Street, S.W., Atlanta, Georgia 30303 on or before **July 27, 2005 by 11:00 A.M.**, legal prevailing time. All submitted bids will be time and date stamped according to the clock at the front desk of the Fulton County Purchasing Department. Any bid received after this appointed schedule will be considered late and subject to be returned unopened to the bidder. The bid due date can be changed only by addendum. Bids shall clearly indicate the legal name, address, and telephone number of the proposer (company, firm, partnership, individual). Bids shall be signed above the

typed or printed name and title of the signer. The signer shall have the authority to bind the proposer to the submitted proposal. ***The bid number must be clearly visible on all bid packages submitted.***

#### **1.7 Delivery Requirements**

Any bid received after the above stipulated due date and time will not be considered and will be rejected and returned. It shall be the sole responsibility of the bidder to have his/her bid delivered to the Fulton County Department of Purchasing for receipt on or before the above stipulated due date and time. If a bid is sent by U.S. Mail, the bidder shall be responsible for its timely delivery to the Department of Purchasing.

#### **1.8 Basis of Award**

The Contract will be awarded to the lowest responsive, responsible bidder(s), if awarded.

All Bids must be made on the Bid forms contained herein. The Bid shall be enclosed in a sealed envelope, addressed to Department of Purchasing, Fulton County Public Safety Building, 130 Peachtree Street, S.W., Suite 1168 Atlanta, Georgia 30303 and labeled "Bid for ITB- **05ITB45495C**."

## **SECTION 2**

### **FULTON COUNTY PURCHASING DEPARTMENT**

#### **BID GENERAL REQUIREMENTS**

##### **05ITB45495C – Heavy Equipment**

The following information pertains to the submission of a Bid to Fulton County, and contains instructions on how Bids must be presented in order to be considered. Listed below are the requirements for all Bidders interested in doing business with Fulton County.

1. The Bid sheets included in this Invitation to Bid (“Bid”) must be fully completed and returned with the Bid unless otherwise specified in writing by the Purchasing Department. Type or neatly print the date, company name, and the full legal name and title of the person(s) signing the Bid in the place provided at the bottom of each Bid sheet. Any additional sheets submitted must contain the same signature and Bidder information.
2. Original signature(s) must appear on each page of the Bid document. All signatures must be executed by person(s) having contracting authority for the Bidder
3. Absolutely no fax Bids or reproduction Bids will be accepted, except that photocopies may be submitted in addition to the original when multiple copies of the Bid are specifically requested in the solicitation
4. The envelope in which the Bid response is submitted must be sealed and clearly labeled with the bid number, project title, due date and time, and the name of the company or individual submitting the proposal. Bids must be received by the opening date and time shown on this Bid in order to be considered. The Purchasing Agent has obligation to consider Bids which are not in properly marked envelopes. Contract Compliance submittals shall be submitted in a separated sealed envelope or package.
5. The original and the required number of copies of the Bid must be returned to:

Fulton County Purchasing Agent  
Fulton County Purchasing Department  
130 Peachtree Street, S.W., Suite 1168  
Atlanta, Georgia 30303

Any inquiries, questions, clarifications or suggestions regarding this solicitation should be submitted in writing to the Purchasing Contact Person. Contact with any other County personnel in regard to a current

solicitation is strictly prohibited in accordance with Fulton County "No Contact" Show information and prices in the format requested. Prices are to be quoted F.O.B. Destination, and must include all costs chargeable to the Contractor executing the Contract, including taxes. Unless otherwise provided in the Contract, Fulton County shall have no liability for any cost not included in the price. The Contractor shall provide Fulton County the benefit through a reduction in price of any decrease in the Contractor's costs by reason of any tax exemption based upon Fulton County's status as a tax-exempt entity.

6. All prices Bid must be audited by the Bidder to ensure correctness before the Bid is submitted. The Bidder is solely responsible for the accuracy of information placed on a Bid sheet, including prices. Clerical or mathematical error is insufficient to void a successful Bid but a Bidder may withdraw a sealed Bid prior to opening without a penalty.
7. All prices must be submitted in the format requested and less all trade discounts. When multiple items are being Bid, Bidder must show both the unit price and the total extended price for each item. When applicable, the Bidder must include an additional lump sum Bid for groups or items. In the event a Bidder is offering an additional discount on groups of items, Bidder must indicate the total lump sum Bid for the particular group of items before any extra discount, the amount of extra discount, and the net total for the particular group. In the event of an extension error, unit pricing shall prevail.
8. By submitting a signed Bid, Bidder agrees to accept an award made as a result of that Bid under the terms and conditions spelled out in the Bid documents. In the event of a conflict between the different Bid documents, the County's cover Contract (if used) shall have precedence, followed in order by the Invitation to Bid Purchase Order, Bid, Contractor's Warranty Agreement, Maintenance Agreement, and/or other Contractor provided agreements.
9. A Bidder may submit only one (1) Bid response for each specific Bid solicitation unless otherwise authorized in the specifications.
10. All prices submitted by the Bidder to Fulton County must be guaranteed by the authorized person(s) against any price increase for the time period designated in the Bid specifications, and Fulton County must be given the benefit of any price decrease occurring during such designated time period.
11. All items Bid must be new. Used, rebuilt and refurbished items will not be considered unless specifically authorized by Fulton County in the written specifications.

12. All Bidders must specify in the Bid response the earliest actual delivery date for each item unless otherwise specified in writing by Fulton County. The delivery date may be a factor in deciding the Bidder's capability to perform.
13. A successful Bidder's delivery ticket(s) and invoice(s) must list each item separately and must show Fulton County's purchase order number as well as the proper department and address to which delivery was made, as listed on the purchase order or in the Bidder's contract with Fulton County.
14. Unless clearly shown as "no substitute" or words to that effect, any items in this invitation to Bid which have been identified, described or referenced by a brand name or trade name are for reference only. Such identification is intended to be descriptive but not restrictive, and is to indicate the general quality and characteristics of products that may be offered. Each item Bid must be individually identified as to whether it is a specified item or an equivalent item by typing or printing after the item(s): The brand name; model or manufacturer's number, or identification regularly used in the trade. Deviations from the specifications must be clearly and fully listed on the Bid sheet, including photographs or cuts, specifications, and dimensions of the proposed "alternate". Fulton County is the sole judge of "exact Equivalent: or "alternate". The factors to be considered are function, design, materials, construction, workmanship, workmanship finishes, operating features, overall quality, local services facilities, warranty terms and service and other relevant features of item(s) Bid.
15. For all Bids, Fulton County reserves the right to request representative samples. If requested, samples must be delivered at the Bidder's cost within three (3) business days. Samples are submitted at the risk of the Bidder and may be subjected to destructive tests by Fulton County. Samples must be plainly tagged with Fulton County's Bid number, item name, manufacturer, and the name of the Bidder.
16. Item(s) Bid must be complete and ready to operate. No obvious omissions of components or necessary parts shall be made even though the specifications may not detail or mention them. Unit(s) must be furnished with factory installed equipment and must be comparable with the basic form, fit, and functional requirements which are all to be included in the base price as well as any other equipment included as standard by the manufacturer or generally provided to the buying public.
17. All successful Bidders must assume full responsibility for all item(s) damaged prior to F.O.B. Destination delivery and agree to hold harmless Fulton County of all responsibility for prosecuting damage claims.



18. All successful Bidders must assume full responsibility for replacement of all defective or damaged goods within thirty (30) days of notice by Fulton County of such defect or damage.
19. All successful Bidders must assume full responsibility for providing or ensuring warranty service on any and all items including goods, materials, or equipment provided to the County with warranty coverage. If a successful Bidder is not the manufacturer, all manufacturers' warranties must be passed through to Fulton County. The Bidder and not Fulton County is responsible for contacting the manufacturer of the warranty service provided during the warranty period and supervising the completion of the warranty service to the satisfaction of Fulton County.
20. As a successful Bidder providing any equipment which requires fitting and assembly the Bidder shall be solely responsible for such installation being performed by a manufacturer's authorized or approved servicer an experienced worker, utilizing workmanship of the highest caliber. The Bidder must verify all dimensions at the site, shall be responsible for their correctness, and shall be responsible for the availability of replacement parts when specified in writing by Fulton County in the specifications, purchase order, or other contract.
21. A successful Bidder is solely responsible for disposing of all wrappings, crating, and other disposable material upon deliver of item(s).
22. All Bidders are required to be authorized distributors or regularly engaged in the sale or distribution of the type of goods, materials, equipment or services for which the Bidder is submitting a Bid response in addition, all Bidders are required to provide Fulton County with three (3) written references documenting the successful completion of Bids or contracts for the types of items including goods, materials, equipment, or services for which the Bidder is submitting a Bid response. In instances where a Bidder has never supplied such goods, material, equipment, or services before, the Bidder must submit with the Bid response a statement and supporting documentation demonstrating such expertise, knowledge, or experience to establish the Bidder as a responsible Bidder, capable of meeting the Bid requirements should an award be made. No exceptions to this provision will be made unless authorized in the Bid specifications.
23. Bidders may be required to furnish evidence that they maintain permanent places of business of a type and nature compatible with their Bid proposal, and are in all respects competent and eligible vendors to fulfill the terms of the specifications. Fulton County may make such investigations as it deems necessary to determine the ability of the Bidder to perform such work, and reserves the right to reject any Bidder if evidence fails to

indicate that the Bidder is qualified to carry out the obligation of the Contract and to complete the work satisfactorily.

24. All Bidders must comply with all Fulton County Purchasing laws, policies, and procedures, non-discrimination in contracting and procurement ordinances, and relevant state and federal laws including but not limited to compliance with EEOC hiring guidelines and requirements under the Americans with Disabilities Act. Successful Bidder must obtain all permits, licenses, and inspections as required and furnish all labor, materials, insurance, equipment, tools, supervision, and incidentals necessary to accomplish the work in these specifications.
25. If a successful Bidder is unable or unwilling to enter into a Contract with Fulton County subsequent to being granted an award, or who fails to perform in accordance with the Bid specifications the Bidder will be subject to damages and all other relief allowed by law.
26. Successful Bidders contract directly with Fulton County and are the party or parties obligated to perform. Contracts may not be assigned and any failure to perform the Contract in accordance with the specifications will constitute a breach of Contract and may result in a Bidder being found to be "non-responsive" in the future.
27. In case of default by the successful Bidder, Fulton County may procure the articles for services from another source and hold the successful Bidder responsible for any resulting excess cost.
28. The County may award any Bid in whole or in part to one or more vendors or reject all Bids and/or waive any technicalities if it is in the best interests of the County to do so. In the event that all Bids are not rejected, Bids for items including goods, materials, equipment, and services will be awarded to the lowest "responsible" Bidder(s) as determined by Fulton County. Submitting the lowest Bid, as published at the Bid opening, does not constitute an award or the mutual expectation of an award of a Contract and purchase order. For purposes of this notice and the attached Bid sheets, a purchase order is a Contract to provide items including goods, materials, equipment, and services and is intended to have the full force and effect of a Contract. A breach of the terms and conditions of a purchase order constitutes a breach of Contract.
29. Bids for projects that are solicited pursuant to the Georgia Local Government Public Works Construction Law ( O.C.G.A 36-91-1 et seq) may withdrawn as follows:

Competitive sealed Bids (Bid) may not be revoked or withdrawn until 60 days after the time set by the governmental entity for opening of Bids. At

the end of this time period the Bid will cease to be valid, unless the Bidder provides written notice to the County prior to the scheduled expiration date that the Bid will be extended for a time period specified by the County.

30. In the evaluation of the Bids, any award will be subject to the Bid being:
  - A. Compliant to the specification – meets form, fit, and function requirements stated or implied in the specification.
  - B. Lowest cost to the County over projected useful life.
  - C. Administratively Compliant – Including all required bonds, insurance, established quality of work and general reputation, financial responsibility, relevant experience, and related criteria.
31. All bids and Bids submitted to Fulton County are subject to the Georgia “Open Records Act”, Official Code of Georgia, Annotated (O.C.G.A.) §50-18-70 et seq.
32. All bids and Bids submitted to Fulton County involving Utility Contracting are subject to the Georgia law governing licensing of Utility Contractors, O.C.G.A. §43-14-8.2(h). The Utility Contractor License number of the person who will perform the utility work shall be written on the face of the Bid envelope.
33. The apparent silence of this specification, and any supplement thereto, as to details, of the omission from it of a detailed description concerning any point, will be regarded as meaning only the best commercial practices are to prevail. Only materials of the highest quality, correct type, size, and design are to be used. All interpretations of this specification will be made upon the basis of this statement, with Fulton County interpretation to prevail.
34. It is the policy of Fulton County that the evaluation and award process for County contracts shall be free from both actual and perceived impropriety, and that contacts between potential vendors and County officials, elected officials and staff regarding pending awards of County contracts shall be prohibited.
  - A. No person, firm, or business entity, however situated or composed, obtaining a copy of or responding to this solicitation, shall initiate or continue any verbal or written communication regarding this solicitation with any County officer, elected official, employee, or designated County representative, between the date of the issuance of this solicitation and the date of the County Manager’s recommendation to the Board of Commissioners for award of the subject contract, except as may otherwise be specifically

authorized and permitted by the terms and conditions of this solicitation.

- B. All verbal and written communications initiated by such person, firm, or entity regarding this solicitation, if same are authorized and permitted by the terms and conditions of this solicitation, shall be directed to the Purchasing Agent.
  - C. Any violation of this prohibition of the initiation or continuation of verbal or written communications with County officers, elected officials, employees, or designated County representatives shall result in a written finding by the Purchasing Agent that the submitted Bid or proposal of the person, firm, or entity in violation is “non-responsive”, and same shall not be considered for award.
35. Any Bidder intending to respond to this solicitation as a Joint Venture must submit an executed Joint Venture Agreement with this Bid. This agreement must designate those persons or entities authorized to execute documents or otherwise bind the Joint Venture in all transactions with Fulton County, or are accompanied by a document, binding upon the Joint Venture and its constituent members, making such designation. Bids from Joint Ventures that do not include these documents will be rejected as being “non-responsive”.
36. Any Bidder intending to respond to this solicitation must complete all of the Procurement Affidavit Forms provided in this solicitation. Bids that do not include these completed documents will be rejected as being “non-responsive”.

## 2.1 **Definition of Purchasing Terms**

**Addenda** - the plural of addendum.

**Addendum** - a written or graphic change to the contract documents issued prior to bid opening which becomes a part of the specifications for the project.

**Advertisement** - public notice inviting bids shall be published for two (2) consecutive weeks. All projects shall be published on the Fulton County's website @ [www.co.fulton.ga.us](http://www.co.fulton.ga.us) , under "Bid Opportunities".

**Amendment** – a change, addition, alteration, correction or revision to a bid or proposal or contract document.

**Award** - approval by the Board of Commissioners, to begin the contracting process with the lowest most responsive and responsible bidder.

**Bid** - the formal process allowing prospective vendors to compete for goods and services sought by the County.

**Bid acceptance** - the acceptance of bids delivered to the Purchasing Agent at the time, place, and under the conditions contained in the invitation for bids and as further stipulated in the specifications document.

**Bid opening** - the public opening of bids received and accepted and the reading aloud of the name of each bidder and the amount of bid in the presence of one (1) or more witnesses at the time and place designated in the invitation to bid. For RFP openings only the name of the proponents are read aloud.

**Brand name or equal specification** – means a specification limited to one or more items by manufacturer's names or catalogue numbers to describe the standard of quality, performance and other salient characteristics needed to meet County requirements and which provides for the submission of equivalent products from any manufacturer.

**Brand name specifications** – means a specification limited to one or more items by manufacturer's names or catalogue numbers.

**Collusion** – a secret agreement, whether expressed or implied, to commit a fraudulent, deceitful, unlawful, or wrongful act.

**Collusive bidding** – a violation of antitrust statutes that consists of a response to a solicitation by two or more persons who have secretly agreed to circumvent laws and rules regarding independent and competitive bidding.

**County** - “County” shall mean the Fulton , Georgia, a political subdivision of the State of Georgia, and shall include all agencies, establishments or officials of the government of the .

**Contractor** - any person or entity having a contract with the County.

**Days** - “Days” shall mean calendar days.

**Debarment** – the exclusion of a person or company from participating in a procurement activity for an extended period of time, as specified by law, because of previous illegal or irresponsible action.

**Designee** - an authorized representative of a person holding superior position of responsibility.

**Invitation to bid (ITB)** - all documents, whether attached or incorporated by reference, utilized for soliciting sealed bids.

**Inspection** - an authorized representative of the County, or of the County’s architect/engineer, assigned to make all necessary inspections, test, and reports of the work performed or being performed.

**May** - denotes permissive.

**Offer** - a proposal by an offeror submitted when procurement is made by a source selection method other than competitive sealed bidding.

**Offeror** – a person making an offer.

**Procurement** - buying, purchasing, renting, leasing or otherwise acquiring any supplies, services or construction. Also includes all functions that pertain to the obtaining of any supply, service or construction, including a description of requirements, selection and solicitation of sources, preparation and award of contracts, and all phases of contract administration.

**Purchasing Agent** - the Director of the Fulton County Department of Purchasing the principal purchasing official for the County.

**Responsible bidder or responsible offeror** – means a person or entity that has the capability in all respects to perform fully and reliably the contract requirements.

**Scope of work** - means the work that is required by the contract documents.

**Shall** - denotes imperative.

**Solicitation** - an invitation for bid, a request for proposal, a request for quotation, or any other document issued by the County for the purpose of soliciting bids or bids to perform a County contract.

**Specifications** – means any description of the physical or functional characteristics or of the nature of a supply, service or construction item. It may include a description of any requirement for inspecting, testing or preparing a supply, service or construction item for delivery.

## **2.2 Clarification and Interpretations**

Bidders may submit requests for clarifications or interpretations regarding this ITB. Bidders must prepare such requests in writing for the County's consideration as set forth in this section of this ITB. While the County has not placed an initial limitation on the number of requests which can be submitted, Bidders are cautioned that if Bidders do not request meaningful clarifications or interpretations in an organized manner (e.g., limited frequency of requests), the County will set restrictions on the frequency and number of requests permitted. The County will not respond to requests received after July 14, 2005 **at 5:00 P.M.**, local prevailing time. Bidders are advised that this section places no obligation on the part of the County to respond to any or all requests for clarification or interpretation, and that the County's failure to respond to any such request will not relieve the bidder of any obligations or conditions required by this ITB.

Request for clarification or interpretation regarding this ITB shall only be submitted in writing (letter, fax or email) to:

William E. Long, Jr., Chief, Assistant Purchasing Agent  
Department of Purchasing  
Fulton County Public Safety Building  
130 Peachtree Street, S.W., 1168  
Atlanta, GA 30303  
Fax: (404) 893-6268  
[william.long@co.fulton.ga.us](mailto:william.long@co.fulton.ga.us)

All responses to written requests for clarification, interpretation, or additional information will be distributed as addenda to this ITB to all persons registered with the County to have received a copy of the ITB.

No oral interpretation, instruction, or information concerning this ITB given by any employee or agent of the County shall be binding on the County. Bidders who submit a bid in reliance on any such oral information risk having their response to this ITB deemed non-responsive by the County. Only written responses issued by addendum to this ITB should be considered by the bidders.

During the period provided for the preparation of bids, the County may issue addenda to this ITB. These addenda will be numbered consecutively and will be distributed to those who have been issued a copy of this ITB. Additionally, the addenda will be posted on the Fulton County website, [www.co.fulton.ga.us](http://www.co.fulton.ga.us). These addenda will be issued by, or on behalf of, the County and will constitute a part of this ITB. Each bidder is required to acknowledge by submitting an executed acknowledgment form included with this bid. This acknowledgment shall include all addenda distributed prior to the bid submission date. All responses to this ITB shall be prepared with full consideration of the addenda issued prior to the bid submission date.

### **2.3 Right to Reject Bids**

The County reserves the right to reject any or all bids and to waive informalities. No bids will be received after the time set for opening bids. Any unauthorized conditions, limitations or provisions attached to the Bid, except as provided herein, will render it informal and may cause its rejection. Unbalanced bids will be subject to rejection. Any bidder may withdraw his/her bid, either personally or by telegraphic or written request, at any time prior to the scheduled closing time for receipt of bids. Telegraphic or written requests for withdrawal must be in the possession of the County prior to the closing time for receipt of bids.

### **2.4 Disqualification of Bidders**

The submission of more than one (1) bid to the County as the primary Bidder or member of a joint venture for the same bid by an individual firm, partnership or corporation under the same or different names may be considered as sufficient for disqualification of a bidder and the rejection of the bid.

### **2.5 Applicable Laws**

All applicable laws and regulations of the State of Georgia and ordinances and regulations of Fulton County shall apply. Protestors shall seek resolution of their complaints in the manner provided in the Fulton County Code of Laws §2-324, which is incorporated by reference herein.

### **2.6 Examination of Contract Documents**

Prospective bidders shall examine the contract documents and before submitting a bid, shall make a written request to the County for an interpretation or correction of any ambiguity, in consistency or error therein which could be discovered by a bidder. At the bid opening each bidder shall be presumed to have read and be familiar with the contract documents.



## **2.7 Termination**

The County may terminate the contract resulting from this solicitation at any time the vendor fails to carry out the contract provisions, if in the opinion of the County, the performance of the contract is unreasonably delayed, or the vendor is in direct violation of the contract conditions. The County shall provide the vendor with notice of any conditions which violate or endanger the performance of the contract and, if after such notice the contractor fails to remedy such conditions within thirty (30) days, to the satisfaction of the County, the County may exercise their option in writing to terminate the Contract without further notice to the Contractor and order the Contractor to stop work immediately and vacate the premises. Vendor agrees by its bid submission that the County's decision is final and valid.

## **2.8 Indemnification and Hold Harmless Agreement**

Contractor/Vendor hereby agrees to release, indemnify, defend and hold harmless the County, its Commissioners, officers, employees, subcontractors, successors, assigns and agents, from and against any and all losses (including death), claims, damages, liabilities, costs and expenses (including but not limited to all actions, proceedings, or investigations in respect thereof and any costs of judgments, settlements, court costs, attorney's fees or expenses, regardless of the outcome of any such action, proceeding, or investigation), caused by, relating to, based upon or arising out of any act or omission by contractor, its directors, officers, employees, subcontractors, successors, assigns or agents, or otherwise in connection with its acceptance, or the performance, or nonperformance, of its obligations under this agreements.

## **2.9 Irrevocable Offer**

No bid may be modified, withdrawn, or cancelled by the bidder for sixty (60) days following the date and time designated for receipt of bids, and each bidder so agrees in submitting its bid. All adjustment factors shall remain valid during this time period unless noted otherwise.

Prior to the date and time designated for receipt of bids, a bid may be withdrawn on written or facsimile (fax) request, provided that written confirmation of any fax withdrawal over the signature of the bidder must have been mailed and postmarked on or before the date and time set for receipt of bids. A withdrawn bid may be resubmitted up to the date and time designated for receipt of bids, provided that it is then fully in conformance with these Instructions to Bidders.

## **SECTION 3**

### **PURCHASING FORMS & INSTRUCTIONS**

#### **3.1 Introduction**

To be deemed responsive to this ITB, Bidders must provide the information requested and complete in detail all Bid Forms. The appropriate individual(s) authorized to commit the Bidder must sign the Bid Forms. Bidders should reproduce each Bid Form, as required, and complete the appropriate portions of the forms provided in this section.

#### **Procurement Affidavits**

Procurement Affidavit Form 1	Certification Regarding Debarment
Procurement Affidavit Form 2	Form A: Non-Collusion Affidavit (Prime)  Form B: Sub-Contractor Non-Collusion Affidavit
Procurement Affidavit Form 3	Certificate of Acceptance of Invitation to Bid Requirements

### **3.2 Procurement Affidavit Forms Description**

The following paragraphs present an overview of each Procurement Affidavit Form required.

#### **3.2.1 Certification Regarding Debarment**

Bidder shall complete and submit Form 1, which certifies that neither it nor its subcontractors are presently debarred, suspended, proposed for debarment, declared ineligible, or otherwise excluded from doing business with any government agency.

#### **3.2.2 Non-Collusion Affidavit**

The Bidder shall include a copy of Proposal Form 2A, executed by an authorized officer of the corporation. Bids developed by a joint venture shall be similarly executed by all joint venture participants. Additionally, all sub-contractors shall execute a copy of Bid Form 2B which shall also be submitted with the bid.

#### **3.2.3 Certificate of Acceptance of Invitation to Bid Requirements**

Bidder shall complete and submit Form 3, which certifies that Bidder has read the solicitation including all addenda, exhibits, attachments and appendices.

## **CERTIFICATION REGARDING DEBARMENT**

- (1) The Offeror certifies that neither it or its subcontractors is presently debarred, suspended, proposed for debarment, declared ineligible, or otherwise excluded from doing business with any government agency. Any such exclusion may cause prohibition of your firm from participating in any procurement by the Fulton County Government.
- (2) If the Offeror is unable to certify to any of the statements in this certification, such Offeror or subcontractor shall attach an explanation to this bid or proposal.

## ***INSTRUCTIONS FOR CERTIFICATION***

By signing and submitting this certification, the Offeror is providing the certification set out below:

- (1) The certification in this clause is a material representation of fact upon which reliance will be placed. If it is later determined that the prospective vendor knowingly rendered a false certification, the Purchasing Agent may pursue all available remedies, including suspension and/or debarment, for withdrawal of award or termination of a contract.
- (2) The prospective Offeror shall provide immediate written notice to the Purchasing Agent if at anytime the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- (3) Offeror shall be under a continuing duty to immediately inform the Purchasing Agent in writing of any changes, if as a result of such changes, the Offeror certification regarding debarment is affected.

## **DEBARMENT ORDINANCE**

The following SECTION 2-322 of Fulton County Code of Laws establishes the procedure for the debarment of contractors.

- (a) *Authority to suspend.*

After reasonable notice to the entity involved and reasonable opportunity for that entity to be heard, the Purchasing Agent, after consultation with user department, the County Manager and the County Attorney shall have the authority to suspend an entity for cause from consideration for award of county contracts. As used in this SECTION, the term entity means any business entity, individual, firm, contractor, subcontractor or business corporation, partnership, limited liability corporation, firm, contractor,

subcontractor or business structured; provided, further, that any such entity shall also be subject to suspension under this SECTION if any of its constituents, members, subcontractors at any tier of such entity's and the entity, or any constituent or member, knew or should have known of the commission of the act. The suspension shall be for a period not to exceed three (3) years unless cause is based on a felony conviction for an offense related or associated with fraudulent contracting or misappropriation of funds wherein the suspension shall not exceed seven (7) years.

(b) *Causes for Suspension.* The causes for suspension include:

- (1) Conviction for commission of a criminal offense as an incident to obtain or attempting to obtain a public or private contract or subcontract, or in performance of such contract or subcontract;
- (2) Conviction of state or federal statutes of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property or other offense indicating a lack of business integrity or business honesty which currently, seriously and directly affects responsibility as a county contractor.
- (3) Conviction of state or federal anti-trust statutes arising out of the solicitation and submission of bids and bids;
- (4) Violation of contract provisions, as set forth below, of a character which is regarded by the Purchasing Agent to be so serious as to justify suspension action:
  - a. Failure to perform in accordance with the specifications within a time limit provided in a county contract;
  - b. A recent record of failure to perform or unsatisfactory performance in accordance with the terms of one or more contracts; provided, that failure to perform or unsatisfactory performance caused by acts beyond the control of the contractor shall not be considered to be a basis for suspension;
  - c. Material representation of the composition of the ownership or workforce or business entity certified to the county as a minority business enterprise; or
  - d. Falsification of any documents.
- (5) For violation of the ethical standards set forth in Fulton County Code Chapter 9, Code of Ethics.
- (6) Knowing misrepresentation to the county, of the use which a majority

owned contractor intends to make a minority business enterprise (a business entity at least 51 percent of which is owned and controlled by minority persons, as defined in Fulton County Code Chapter 6, Article B, Minority Business Enterprise Affirmative Action Program and certified as such by the county), as a sub-contractor or a joint venture partner, in performing work under contract with the county.

Failure to fully and truthfully provide the information required, may result in the disqualification of your bid/proposal from consideration or termination of the Contract, once awarded. This document must be completed and included as a part of the bid/proposal package along with other required documents.

Under penalty of perjury, I declare that I have examined this certification and all attachments hereto, if applicable, to the best of my knowledge and belief, and all statements contained hereto are true, correct, and complete.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2005

\_\_\_\_\_  
(Legal Name of Offeror) (Date)

\_\_\_\_\_  
(Signature of Authorized Representative) (Date)

\_\_\_\_\_  
(Title)

**STATE OF GEORGIA**

**COUNTY OF FULTON**

**NON-COLLUSION AFFIDAVIT OF PRIME BIDDER/OFFEROR**

I, \_\_\_\_\_ certify that pursuant to Fulton County Code SECTION 2-320 (11), this bid or proposal is made without prior understanding, agreement or connection with any corporation, firm or person submitting a bid for the same work, labor or service to be done or the supplies, materials or equipment to be furnished and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of state and federal law and can result in fines, prison sentences and civil damages awards. I agree to abide by all conditions of this bid or proposal and certify that I am authorized to sign this bid or proposal for the bidder.

Affiant further states that pursuant to O.C.G.A. SECTION 36-91-21 (d) and (e), \_\_\_\_\_ has not, by itself or with others, directly or indirectly, prevented or attempted to prevent competition in such bidding or bids by any means whatsoever. Affiant further states that (s)he has not prevented or endeavored to prevent anyone from making a bid or offer on the project by any means whatever, nor has Affiant caused or induced another to withdraw a bid or offer for the work.

Affiant further states that the said offer of \_\_\_\_\_ is bona fide, and that no one has gone to any supplier and attempted to get such person or company to furnish the materials to the bidder only, or if furnished to any other bidder, that the material shall be at a higher price.

\_\_\_\_\_  
(COMPANY NAME)

\_\_\_\_\_  
(PRESIDENT/VICE PRESIDENT)

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_.

\_\_\_\_\_  
(SECRETARY/ASSISTANT SECRETARY)

(Affix corporate seal here, if a corporation)

Notary Public: \_\_\_\_\_

County: \_\_\_\_\_

Commission Expires: \_\_\_\_\_

**NOTE:**

**IF THE OFFEROR IS A PARTNERSHIP, ALL OF THE PARTNERS AND ANY OFFICER, AGENT, OR OTHER PERSON WHO MAY HAVE REPRESENTED OR ACTED FOR THEM IN BIDDING FOR OR PROCURING THE CONTRACT SHALL ALSO MAKE THIS OATH.**

**IF THE OFFEROR IS A CORPORATION, ALL OFFICERS, AGENTS, OR OTHER PERSONS WHO MAY HAVE ACTED FOR OR REPRESENTED THE CORPORATION IN BIDDING FOR OR PROCURING THE CONTRACT SHALL MAKE THE OATH.**



STATE OF GEORGIA

COUNTY OF FULTON

**NON-COLLUSION AFFIDAVIT OF SUBCONTRACTOR**

I, \_\_\_\_\_ certify that pursuant to Fulton County Code SECTION 2-320 (11), this bid or proposal is made without prior understanding, agreement or connection with any corporation, firm or person submitting a bid for the same work, labor or service to be done or the supplies, materials or equipment to be furnished and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of state and federal law and can result in fines, prison sentences and civil damages awards. I agree to abide by all conditions of this bid or proposal and certify that I am authorized to sign this bid or proposal for the bidder.

Affiant further states that pursuant to O.C.G.A. SECTION 36-91-21 (d) and (e), \_\_\_\_\_ has not, by itself or with others, directly or indirectly, prevented or attempted to prevent competition in such bidding or bids by any means whatsoever. Affiant further states that (s)he has not prevented or endeavored to prevent anyone from making a bid or offer on the project by any means whatever, nor has Affiant caused or induced another to withdraw a bid or offer for the work.

Affiant further states that the said offer of \_\_\_\_\_ is bona fide, and that no one has gone to any supplier and attempted to get such person or company to furnish the materials to the bidder only, or if furnished to any other bidder, that the material shall be at a higher price.

\_\_\_\_\_  
(COMPANY NAME)

\_\_\_\_\_  
(PRESIDENT/VICE PRESIDENT)

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_.

\_\_\_\_\_  
(SECRETARY/ASSISTANT SECRETARY)

(Affix corporate seal here, if a corporation)

Notary Public: \_\_\_\_\_

County: \_\_\_\_\_

Commission Expires: \_\_\_\_\_

**NOTE:**

**IF THE OFFEROR IS A PARTNERSHIP, ALL OF THE PARTNERS AND ANY OFFICER, AGENT, OR OTHER PERSON WHO MAY HAVE REPRESENTED OR ACTED FOR THEM IN BIDDING FOR OR PROCURING THE CONTRACT SHALL ALSO MAKE THIS OATH.**

**IF THE OFFEROR IS A CORPORATION, ALL OFFICERS, AGENTS, OR OTHER PERSONS WHO MAY HAVE ACTED FOR OR REPRESENTED THE CORPORATION IN BIDDING FOR OR PROCURING THE CONTRACT SHALL MAKE THE OATH.**

**CERTIFICATE OF ACCEPTANCE OF INVITATION TO BID**  
**REQUIREMENTS**

This is to certify that on this day, offeror acknowledges that he/she has read this solicitation document, pages #\_\_\_\_\_ to #\_\_\_\_\_ inclusive, including any addenda # \_\_\_\_\_ to #\_\_\_\_\_ exhibit(s) #\_\_\_\_\_ to #\_\_\_\_\_, attachment(s) # \_\_\_\_\_, and/or appendices #\_\_\_\_\_ to #,\_\_\_\_\_in its entirety, and agrees that no pages or parts of the document have been omitted, that he/she understands, accepts and agrees to fully comply with the requirements therein, and that the undersigned is authorized by the offeror to submit the proposal herein and to legally obligate the offeror thereto.

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**(Affix Corporate Seal)**

## SECTION 4

### CONTRACT COMPLIANCE REQUIREMENTS

#### 4.1 NON-DISCRIMINATION IN CONTRACTING AND PROCUREMENTS

It is the policy of Fulton County Government that discrimination against businesses by reason of the race, color, gender or national origin of the ownership of any such business is prohibited. Furthermore, it is the policy of the Board of Commissioners ("Board") that Fulton County and all vendors and contractors doing business with Fulton County shall provide to all businesses the opportunity to participate in contracting and procurement paid, in whole or in part, with monetary appropriations of the Board. Similarly, it is the policy of the Board that the contracting and procurement practices of Fulton County should not implicate Fulton County as either an active or passive participant in the discriminatory practices engaged in by private contractors or vendors seeking to obtain contracts with Fulton County.

**Equal Business Opportunity Plan (EBO Plan):** In addition to the proposal submission requirements, each vendor **must** submit an Equal Business Opportunity Plan (EBO Plan) with their bid/proposal. The EBO Plan is designed to enhance the utilization of a particular racial, gender or ethnic group by a bidder/proposer, contractor, or vendor or by Fulton County. The respondent **must** outline a plan of action to encourage and achieve diversity and equality in the available procurement and contracting opportunities with *this solicitation*.

The EBO Plan **must** identify and include:

1. Potential opportunities within the scope of work of *this solicitation* that will allow for participation of racial, gender or ethnic groups.
2. Efforts that will be made by the bidder/proposer to encourage and solicit minority and female business utilization in *this solicitation*.

Fulton County encourages joint ventures, teaming, partnering and mentor-protégé relationships with minority and female businesses in an effort to achieve contracting and procurement diversity.

**Prompt Payment:** The prime contractor **must** certify in writing and **must** document on the Exhibit G Form (Prime Contractor/Subcontractor Utilization Report) that all subcontractors, sub-consultants and suppliers have been promptly paid for work and materials, (less any retainage by the prime contractor prior to receipt of any further progress payments). In the event the prime contractor is unable to pay subcontractors, sub-consultants or suppliers until it has received a progress payment from Fulton County, the prime contractor shall pay all subcontractors, sub-consultants or suppliers funds due from said progress payment within forty-eight (48) hours of receipt of payment from Fulton County. In no event shall a subcontractor, sub-consultant or supplier be paid later than fifteen (15) days as provided for by state law.

## 4.2 REQUIRED FORMS AND EBO PLAN

In order to be compliant with the intent and provisions of the Fulton County Non-Discrimination in Purchasing and Contracting Ordinance (99-0960), bidders/proposers **must** submit the following completed documents. Failure to provide this information **shall** result in the proposal being deemed non-responsive.

- **Exhibit A** – Promise of Non-Discrimination
- **Exhibit B** – Employment Report
- **Exhibit C** – Schedule of Intended Subcontractor Utilization
- **Exhibit D**– Letter of Intent to Perform as a Subcontractor or Provide Materials or Services
- **Exhibit E** – Declaration Regarding Subcontractors Practices
- **Exhibit F** – Joint Venture Disclosure Affidavit
- **Equal Business Opportunity Plan (EBO Plan)** – This document is not a form. It is a statement created by the bidder/proposer on its company letter head addressing the EBO Plan requirements.

All Contract Compliance documents (Exhibits A – F and EBO Plan) are to be placed in a **separate sealed envelope** clearly marked “Contract Compliance”. The EBO Plan must be submitted on company letterhead. These documents are considered part of and should be submitted with the Technical Proposal.

The following document must be completed as instructed if awarded the project:

- **Exhibit G** – Prime Contractor’s Subcontractor Utilization Report

## EXHIBIT A – PROMISE OF NON-DISCRIMINATION

“Know all persons by these presents, that I/We ( \_\_\_\_\_ ),  
Name

\_\_\_\_\_  
Title Firm Name  
Hereinafter “Company”, in consideration of the privilege to bid on or obtain contracts funded, in whole or in part, by Fulton County, hereby consent, covenant and agree as follows:

- 1) No person shall be excluded from participation in, denied the benefit of, or otherwise discriminated against on the basis of race, color, national origin or gender in connection with any bid submitted to Fulton County for the performance of any resulting there from,
- 2) That it is and shall be the policy of this Company to provide equal opportunity to all businesses seeking to contract or otherwise interested in contracting with this Company without regard to the race, color, gender or national origin of the ownership of this business,
- 3) That the promises of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption,
- 4) That the promise of non-discrimination as made and set forth herein shall be made a part of, and incorporated by reference into, any contract or portion thereof which this Company may hereafter obtain,
- 5) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract entitling the Board to declare the contract in default and to exercise any and all applicable rights and remedies, including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and/or forfeiture of compensation due and owing on a contract; and
- 6) That the bidder shall provide such information as may be required by the Director of Contract Compliance pursuant to SECTION 4.4 of the Fulton County Non-Discrimination in Purchasing and Contracting Ordinance.

**SIGNATURE:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**TELEPHONE NUMBER:** \_\_\_\_\_

## EXHIBIT B – EMPLOYMENT REPORT

The demographic employment make-up for the bidder/proposer **must** be identified and submitted with this bid/proposal. In addition, if subcontractors will be utilized by the bidder/proposer to complete this project, then the demographic employment make-up of the subcontractor(s) must be identified and submitted with this bid.

### EMPLOYEES

CATEGORY	NATIVE AMERICAN		AFRICAN AMERICAN		ASIAN AMERICAN		HISPANIC AMERICAN		CAUCASIAN AMERICAN		OTHER	
	M	F	M	F	M	F	M	F	M	F	M	F
Male/Female												
Mgmt/Official												
Professional												
Supervisors												
Office/ Clerical												
Craftsmen												
Laborers												
Other (specify)												
<b>TOTALS</b>												

**FIRM'S NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**TELEPHONE NUMBER:** \_\_\_\_\_

This completed form is for (Check one) \_\_\_\_ Bidder/Proposer \_\_\_\_ Subcontractor

**Submitted by:** \_\_\_\_\_ **Date Completed:** \_\_\_\_\_

## EXHIBIT C - SCHEDULE OF INTENDED SUBCONTRACTOR UTILIZATION

If the bidder/proposer intends to subcontract any portion of this scope of work/service(s), this form **must be** completed and **submitted with the bid/proposal**. All prime bidders/proposers **must** include Letter(s) of Intent (Exhibit D) in the bid document for all subcontractors who will be utilized under the scope of work/services.

Prime Bidder/Proposer: \_\_\_\_\_

ITB/RFP Number: 05ITB45495C

Project Name or Description of Work/Service(s): Heavy Equipment

1. My firm, as Prime Bidder/Proposer on this scope of work/service(s) is \_\_\_\_\_ is not a minority or female owned and controlled business enterprise. (Please indicate below the portion of work, including, percentage of bid/proposal amount that your firm will carry out directly):

\_\_\_\_\_  
\_\_\_\_\_

2. If the Prime Bidder/Proposer is a Joint Venture, please complete Exhibit F: Joint Venture Disclosure Affidavit and attach a copy of the executed Joint Venture Agreement.
3. Sub-Contractors (including suppliers) to be utilized in the performance of this scope of work/service(s), if awarded, are:

SUBCONTRACTOR NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

ETHNIC GROUP\*: \_\_\_\_\_ COUNTY CERTIFIED\*\* \_\_\_\_\_

WORK TO BE PERFORMED: \_\_\_\_\_

DOLLAR VALUE OF WORK: \$ \_\_\_\_\_ PERCENTAGE VALUE: \_\_\_\_\_ %

**\*Ethnic Groups: African American (AABE); Asian American (ABE); Hispanic American (HBE); Native American (NABE); White Female American (WFBE); \*\*If yes, please attach copy of recent certification.**



SUBCONTRACTOR NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
PHONE: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_  
ETHNIC GROUP\*: \_\_\_\_\_ COUNTY CERTIFIED\*\* \_\_\_\_\_  
WORK TO BE PERFORMED: \_\_\_\_\_  
\_\_\_\_\_  
DOLLAR VALUE OF WORK: \$ \_\_\_\_\_ PERCENTAGE VALUE: \_\_\_\_\_ %

---

SUBCONTRACTOR NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
PHONE: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_  
ETHNIC GROUP\*: \_\_\_\_\_ COUNTY CERTIFIED\*\* \_\_\_\_\_  
WORK TO BE PERFORMED: \_\_\_\_\_  
\_\_\_\_\_  
DOLLAR VALUE OF WORK: \$ \_\_\_\_\_ PERCENTAGE VALUE: \_\_\_\_\_ %

---

SUBCONTRACTOR NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
PHONE: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_  
ETHNIC GROUP\*: \_\_\_\_\_ COUNTY CERTIFIED\*\* \_\_\_\_\_  
WORK TO BE PERFORMED: \_\_\_\_\_  
\_\_\_\_\_  
DOLLAR VALUE OF WORK: \$ \_\_\_\_\_ PERCENTAGE VALUE: \_\_\_\_\_ %

---

SUBCONTRACTOR NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
PHONE: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_  
ETHNIC GROUP\*: \_\_\_\_\_ COUNTY CERTIFIED\*\* \_\_\_\_\_  
WORK TO BE PERFORMED: \_\_\_\_\_  
\_\_\_\_\_  
DOLLAR VALUE OF WORK: \$ \_\_\_\_\_ PERCENTAGE VALUE: \_\_\_\_\_ %

**Total Dollar Value of Subcontractor Agreements: (\$)**

**Total Percentage Value: (%)**

**CERTIFICATION:** The undersigned certifies that he/she has read, understands and agrees to be bound by the Bid/Proposer provisions, including the accompanying Exhibits and other terms and conditions regarding sub-contractor utilization. The undersigned further certifies that he/she is legally authorized by the Bidder/Proposer to make the statement and representation in this Exhibit and that said statements and representations are true and correct to the best of his/her knowledge and belief. The undersigned understands and agrees that if any of the statements and representations are made by the Bidder/Proposer knowing them to be false, or if there is a failure of the intentions, objectives and commitments set forth herein without prior approval of the County, then in any such event the Contractor's acts or failure to act, as the case may be, shall constitute a material breach of the contract, entitling the County to terminate the Contract for default. The right to so terminate shall be in addition to, and in lieu of, any other rights and remedies the County may have for other defaults under the contract.

**Signature:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Firm or Corporate Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Telephone:** (      ) \_\_\_\_\_

**Fax Number:** (      ) \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**EXHIBIT D**

**LETTER OF INTENT TO PERFORM AS A SUBCONTRACTOR  
OR  
PROVIDE MATERIALS OR SERVICES**

This form **must** be completed by **ALL** known subcontractor and submitted with the bid/proposal. The Prime Contractor **must** submit Letters of Intent for **ALL** known subcontractors at time of bid submission.

To: \_\_\_\_\_  
(Name of Prime Contractor Firm)

From: \_\_\_\_\_  
(Name of Subcontractor Firm)

ITB/RFP Number: 05ITB45495C

Project Name: Heavy Equipment

The undersigned is prepared to perform the following described work or provide materials or services in connection with the above project (specify in detail particular work items, materials, or services to be performed or provided):

Description of Work	Project Commence Date	Project Completion Date	Estimated Dollar Amount

\_\_\_\_\_  
(Prime Bidder)

\_\_\_\_\_  
(Subcontractor)

Signature\_\_\_\_\_

Signature\_\_\_\_\_

Title\_\_\_\_\_

Title\_\_\_\_\_

Date\_\_\_\_\_

Date\_\_\_\_\_

## EXHIBIT E - DECLARATION REGARDING SUBCONTRACTING PRACTICES

If the bidder/proposer **does not intend to subcontract** any portion of the scope of work services(s), this form **must be** completed and submitted with the bid/proposal.

\_\_\_\_\_ hereby declares that it is my/our intent to  
(Bidder)

perform 100% of the work required for 05ITB45495C  
(ITB/RFP Number)

Heavy Equipment for the  
(Description of Work)

In making this declaration, the bidder/proposer states the following:

1. That the bidder/proposer does not customarily subcontract elements of this type project, and normally performs and has the capability to perform and will perform **all elements** of the work on this project with his/her own current work forces;
2. If it should become necessary to subcontract some portion of the work at a later date, the bidder/proposer will comply with all requirements of the County's Non-Discrimination Ordinance in providing equal opportunities to all firms to subcontract the work. The determination to subcontract some portion of the work at a later date shall be made in good faith and the County reserves the right to require additional information to substantiate a decision made by the bidder/proposer to subcontract work following the award of the contract. Nothing contained in this provision shall be employed to circumvent the spirit and intent of the County's Non-Discrimination Ordinances;
3. The bidder will provide, upon request, information sufficient for the County to verify Item Number one.

### AUTHORIZED COMPANY REPRESENTATIVE

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

## EXHIBIT F - JOINT VENTURE DISCLOSURE AFFIDAVIT

ITB No. 05ITB45495C

Project Name Heavy Equipment

This form must be completed and submitted with the bid/proposal if a joint venture approach is to be undertaken.

In order to evaluate the extent of small, minority and female business involvement being proposed by a Bidder/Proposer, certain relevant information must be provided prior to contract award. The information requested below is to clearly identify and explain the extent of small business participation in the proposed joint venture. All items must be properly addressed before the business entity can be evaluated.

**1. Firms:**

1) Name of Business: \_\_\_\_\_

Street Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Nature of Business: \_\_\_\_\_

2) Name of Business: \_\_\_\_\_

Street Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Nature of Business: \_\_\_\_\_

3) Name of Business: \_\_\_\_\_

Street Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Nature of Business: \_\_\_\_\_

NAME OF JOINT VENTURE (If applicable): \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PRINCIPAL OFFICE: \_\_\_\_\_

OFFICE PHONE: \_\_\_\_\_

**Note:** Attach additional sheets as required

1. Describe the capital contributions by each joint venturer and accounting thereof.
2. Describe the financial controls of the joint venture, e.g., will a separate cost center be established? Which venturer will be responsible for keeping the books? How will the expense therefore be reimbursed? What is the authority of each joint venture to commit or obligate the order?
3. Describe any ownership, options for ownership, or loans between the joint ventures. Identify terms thereof.
4. Describe the estimated contract cash flow for each joint venturer.
5. To what extent and by whom will the on-site work be supervised?
6. To what extent and by whom will the administrative office be supervised?
7. Which joint venturer will be responsible for material purchases including the estimated cost thereof? How will the purchase be financed?
8. Which joint venturer will provide equipment? What is the estimated cost thereof? How will the equipment be financed?
9. Describe the experience and business qualifications of each joint venturer.
10. Submit a copy of all joint venture agreements and evidence of authority to do business in the State of Georgia as well as locally, to include all necessary business licenses.
11. Percent of Minority/Female Business Enterprises ownership by each joint venture in terms of profit and loss sharing: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
12. The authority of each joint venturer to commit or obligate the other: \_\_\_\_\_  
\_\_\_\_\_
13. Number of personnel to be involved in project, their crafts and positions and whether they are employees of the Minority/Female Business Enterprises enterprise, the majority firm or the joint venture: \_\_\_\_\_  
\_\_\_\_\_

14. Identification of control and participation in venture; list those individuals who are responsible for day-to-day management and policy decision-maker, including, but not limited to, those with prime responsibility for areas designated below; (use additional sheets if necessary)

<u>Name</u> <u>Operation</u>	<u>Race</u>	<u>Sex</u>	<u>Financial</u> <u>Decisions</u>	<u>Supervision</u> <u>Field</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

In connection with any work that these firms, as a joint venture, might be authorized to perform in connection with above captioned contract, we each do hereby authorize representatives of the Fulton County Department of Contract Compliance, Departments of Purchasing and Finance, under the direction of the County Manger's Office, to examine, from time to time, the books, records and files to the extent that such relate to this County project.

**WE DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT WE ARE AUTHORIZED, ON BEHALF OF THE ABOVE FIRMS, TO MAKE THIS AFFIDAVIT AND GRANT THE ABOVE PRIVILEGE.**

FOR \_\_\_\_\_  
(Company)

Date: \_\_\_\_\_  
(Signature of Affiant)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Company)

Date: \_\_\_\_\_  
(Signature of Affiant)

\_\_\_\_\_  
(Printed Name)

State of \_\_\_\_\_:

County of \_\_\_\_\_:

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before me, appeared

\_\_\_\_\_, the undersigned known to me to be the person described in the foregoing Affidavit and acknowledge that he (she) executed the same in the capacity therein stated and for the purpose therein contained.

### EXHIBIT – G PRIME CONTRACTOR/SUB-CONTRACTOR UTILIZATION REPORT

This report **must** be submitted by the **tenth day** of each month, along with a copy of your monthly invoice (schedule of values/payment application) to Contract Compliance. Failure to comply **shall** result in the County commencing proceedings to impose sanctions to the prime contractor, in addition to pursuing any other available legal remedy. Sanctions may include the suspending of any payment or part thereof, termination or cancellation of the contract, and the denial of participation in any future contracts awarded by Fulton County.

<b>REPORTING PERIOD</b>		<b>PROJECT NAME:</b>				
<b>FROM:</b>		<b>PROJECT NUMBER:</b>				
<b>TO:</b>		<b>PROJECT LOCATION:</b>				
<b>PRIME CONTRACTOR</b>		<b>Contract Award Date</b>	<b>Contract Award Amount</b>	<b>Change Order Amount</b>	<b>Contract Period</b>	<b>% Complete to Date</b>
Name:						
Address:						
Telephone #:						

AMOUNT OF REQUISITION THIS PERIOD: \$ \_\_\_\_\_

TOTAL AMOUNT REQUISITION TO DATE: \$ \_\_\_\_\_

#### SUBCONTRACTOR UTILIZATION (add additional rows as necessary)

Name of Sub-Contractor	Description of Work	Contract Amount	Amount Paid To Date	Amount Requisition This Period	Contract Period	
					Starting Date	Ending Date
TOTALS						

Executed By: \_\_\_\_\_

(Signature)

(Printed Name)

Notary: \_\_\_\_\_

Date: \_\_\_\_\_

My Commission Expires: \_\_\_\_\_



## Section 5

### SPECIFICATIONS/PRICING SHEET Invitation to Bid 05ITB45495C – Heavy Equipment

This bid and bid specifications cover four (4) categories of equipment. Bidders must provide supporting literature for all items bid, including, bid item specification literature, warranty and service information.

CATEGORY	EQUIPMENT TYPE	QUANTITY	SPECIFICATION #
<b>Category 1:</b>	<b>2003 Rosco Maximizer II, 1500 Gallon Asphalt Distributor</b>	<b>1 only</b>	<b>1a</b>
	<b>Large Crack Seal Machine</b>	<b>1 only</b>	<b>1b</b>
	<b>SP 300 DUAL SPRAY/SQUEEGEE MACHINE (SLURRY) WITH RESERVE TANK</b>	<b>1 only</b>	<b>1c</b>
	<b>Model BC-4 Hook Lift Unibelt Patcher</b>	<b>1 only</b>	<b>1d</b>
	<b>Asphalt Paver</b>	<b>1 only</b>	<b>1e</b>
<b>Category 2</b>	<b>Track Loader</b>	<b>1 only</b>	<b>2a</b>
	<b>Track Hoe, Bobcat Model 337</b>	<b>1 only</b>	<b>2b</b>
	<b>CASE 590 SM LOADER/BACKHOE</b>	<b>1 only</b>	<b>2c</b>
	<b>Dozer Tractor</b>	<b>1 only</b>	<b>2d</b>
	<b>Tractor w/96" Rear PTO Driven Flail Mower &amp; w/90" Side Mounted Flail Mower</b>	<b>1 only</b>	<b>2E</b>
<b>Category 3</b>	<b>2002 CHASSIS CAB W/10 YARD DUMP BODY &amp; HOIST</b>	<b>3 only</b>	<b>3a</b>
	<b>STERLING, Model # ACTERRA 5 Yard Dump Trucks</b>	<b>3 only</b>	<b>3b</b>
	<b>Aerial Lift Bucket Truck</b>	<b>1 only</b>	<b>3c</b>

**Category 1                      2003 ROSCO MAXIMIZER II, 1500 GALLON ASHPHALT  
DISTRIBUTOR OR EQUAL. (1a)**

**BID PRICE: \$ \_\_\_\_\_ (1 only)**

**Make/Model Proposed \_\_\_\_\_**

**DELIVERY - CALENDAR DAYS ARO: \_\_\_\_\_**

- 1500 Gallon, Asphalt Distributor
- Crankshaft Driven Hydrostatic Drive
- 12' Spray Bar With 1' On-off Controls
- EZ-2S Computer Cob Controls
- Enviro Flush System
- Radar Horn
- LPG Burners with 52 Gallon LPG Tank (Prefer Diesel Burners)
- Double Heating Flumes
- Dial Thermometer
- Manual Spray Bar Lock
- Return Line Air Valve
- Air Line Oiler
- Mounted on 2003 International 7300 4 X 2 Truck
- 195 HP International DT466 Diesel Truck
- 6-Speed Transmission
- Anti Lock Air Brakes
- Heater & Air Conditioner
- 11R22.5 14 Ply Tires
- 33,000 GVW
- Power Mirrors

**Category 1: LARGE CRACK SEAL MACHINE OR EQUAL, (1b)**

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

- The tank capacity for this machine shall be 200 gallons  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The heat Transfer oil for this machine shall be 28gallons  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The maximum BTU input for this machine shall be 372,000.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The temperature control shall be Thermostat electronic.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The large seal Machine tank opening shall be 16" X 24".  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- The insulation for this machine shall be 1 ½" ceramic  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The agitation for this machine shall have a full sweep Hydraulic.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The material pump for this machine shall be 2" Roper, REV., 16.5 gpm.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- The heating system for this machine shall be forced air diesel burning.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- The engine for this machine shall be liquid cool with 23 HP Diesel.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- The machine hydraulic system shall be 23HP Diesel.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- The seal machine suspension shall be 2-3,500 lb axels.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- The machine application hose shall be 20ft 1" id rubber.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- This machine shall have heated chamber, no flushing required.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**
- This machine shall come equipped with a construction oil jacket.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No.**

## Large Crack Seal Machine

Please price the following options:

### OPTIONS:

E2680	Hydraulic Surge Brake Assembly	\$ _____
P 163a001	Air Clean-out Option	\$ _____
PE2690	Material Spigot – for gravity flowing Material	\$ _____
P17582a001	Twenty-foot sealing hose w/protective cover	\$ _____
P447a001	Fire extinguisher (10 lbs)	\$ _____
P74000b000	Sealing Wand (complete)	\$ _____
P163a004	¼ inch or ½ inch wand tip	\$ _____
PE2720	Engine security cover	\$ _____
P163A005	Sealing shoe	\$ _____
P469A002	Five-inch sealing disc	\$ _____
P163A007	Sealing tube 3/8 inch or ½ inch	\$ _____
P74000B004	Tool box	\$ _____

**Category 1:                    SP 300 DUAL SPRAY/SQUEEGEE MACHINE (SLURRY)  
WITH                                RESERVE TANK OR EQUAL, (1c)**

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

- The machine height shall be 65 inches.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine width shall be 63 inches.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine wheelbase shall be 60 inches.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine squeegee shall have a width of 89 inches.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine weight shall be 3,880.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine material tank must have a capacity of 320 gallons.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine water tank must have a capacity of 28 gallons.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine engine must be 30 HP Kubota.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine engine shall be power.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine drive train must be Hydrostat direct drive.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The Machine material pump must be Hydraulically Driven Dual.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with one (1) spray master maxi-air.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with one (1) 600 gal master mix bulk storage tank.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with one (1) 6000 lb seal master trailer.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with One (1) crack cleaner.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with two (2) little wonder blowers.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with a T6300 3.5 HP B&S 9" Twisted wire brush (65 lbs).  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The machine shall come with one (1) T6006 6 HP intek (128 lbs).  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Category 1:

**MODEL BC-4 HOOK LIFT UNIBELT PATCHER OR  
EQUAL, (1d)**

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

These specifications describe a self-contained patch unit that is permanently mounted to a sub-frame suitable for use on a Hook Lift Truck for patching with hot asphalt. Patcher Body must be the same design as the patchers currently in use at Fulton County Public Works.

**CONTAINER**

- The unit shall be 4 cubic yards.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The Unit shall be Double wall constructed.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The unit shall have 2" - 6 lb. density insulation throughout, 10 GA HR steel interior sides, and 12 GA HR steel exterior.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Top loading doors shall be hydraulic operated with 2" diameter by 11" stroke cylinders and have flame cut upper pivot arms for opening top lids.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Top lids shall be 2" double wall constructed.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Material shall be funneled to center of container.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The hydraulic system shall have an 18 HP LPG engine.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The unit shall have a starter generator with 12 volt, 50 amp battery.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Hydraulic controls shall be located at the right rear corner.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The unit shall have a 24" wide conveyor High temperature asphalt belt designed to withstand 350° F hot asphalt material.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Container is to discharge by means of sloping floor.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Sloping floor shall not be less than 45° from horizontal.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Unit of box shall be 82" OD.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- Length of box shall be 120" ID - 132" OD.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Patcher shall be designed to fit into 10' dump body.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

#### **RADIANT HEATER**

- The heat tubes shall be located under the container.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The interior heat chamber shall have passage ways to direct heat.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Passage ways shall be separate from the heat chamber  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The Chamber shall be totally enclosed inside the container.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The burners' shall be propane fueled.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- The burners shall have a rating of 67,000 BTU each @ pressure of 5 PSI and be controlled by a thermostat range of 100° to 300° F.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Burners shall have 12 volt electronic igniters with a 100% fuel shutoff if burner is extinguished.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Burner area shall be fully enclosed.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

#### **HOOK LIFT SUB FRAME**

- Must be permanently attached to the patcher body and compatible with trucks currently in service at Fulton County Public Works.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

#### **HAND TORCH**

- Shall have a pilot with valve control, a 200,000 BTU capacity and a 25' hose shall be supplied  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

#### **SHOVELING APRON**

- Shall be constructed of 10 GA HR steel, have a folding bottom for material to bypass freely, be mounted on rear of container and have a 1/4 cubic yard capacity.  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

### **EMULSION SPRAY UNIT**

- Emulsified asphalt spray and storage system shall be mounted on the trailers chassis for applying tack coat.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

#### **Tank**

Shall have the following:

- (a) Two (2) compartments tank

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (b) Storage capacity -24 emulsions and 6-gallon solvent

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (c) 10 GA steel with the bottom reinforced

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (d) 6" curbside filler cap

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (e) Tank shall be vented

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (f) Removable fill basket strainer

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (g) Y strainer at the discharge of tank before material enters the pump capable of switching from emulsion to solvent with one valve lever

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- Auxiliary Electric Heat

Shall be equipped with 110 volt VAC heat system,

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- The overnight heating system shall be, controlled by temperature sensors and the heating elements shall be low-density stainless steel.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- Mounting

Spraying unit shall be mounted in front of patcher body

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- Pump

Shall have the following

- (a) Rotary gear pump

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- (b) Output of 10 gallons per minute of 600 RPM

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**



- (c) Pumps shall be hydraulic driven  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- (e) All valves shall be high pressure  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- (f) It shall be remote mounted for ease of maintenance  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- (g) Mechanically actuated from the right rear of the body  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- (h) Pump shall be reversible to draw material back to tank  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- (j) Pump shall be driven by a torque motor, which has 5.9 CID  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

- Spray Wand and Hose

System should be plumbed to curbside rear of truck

- Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- 3/8" diameter 5' long steel application wand shall be supplied  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
  - Hose shall be 25' of  $\frac{1}{2}$ " diameter oil resistant  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
  - Wand shall have a brass changeable nozzle at spray tip  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
  - Wand shall include storage brackets  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
  - 10-gallon waste oil tank for cleaning system shall be included  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

### Auxiliary Electric Heat Patcher

- Auxiliary electric heat patcher shall have low-density electric heat  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Auxiliary electric heat patcher shall have Minimum 6 KW, 240 VAC thermostatically controlled  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- 100° F to 300° F  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Unit shall have a rain tight control panel  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**
- Auxiliary electric patcher shall have to capability for overnight heating of asphalt  
**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

### **Hose Reels:**

The following hose reels shall accompany the unit

Emulsion spray hose reel                      Yes \_\_\_\_\_ No \_\_\_\_\_

Hand torch hose reel                            Yes \_\_\_\_\_ No \_\_\_\_\_

Solvent hose reel                                Yes \_\_\_\_\_ No \_\_\_\_\_

All reels are designed to accommodate 25' hoses:    Yes \_\_\_\_\_ No \_\_\_\_\_

- **LPG Tank**

Shall be a 25-gallon upright (portable) tank

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

- **Mounting**

Spraying unit shall be mounted in front of patcher body

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

### **Pump**

- Rotary gear pump
- Output of 10 gallons per minute of 600 RPM
- Pumps shall be hydraulic driven
- All valves shall be high pressure
- It shall be remote mounted for ease of maintenance
- Mechanically actuated from the right rear of the body
- Pump shall be reversible to draw material back to tank
- Pump shall be driven by a torque motor, which has 5.9 CID

### **Spray Wand and Hose**

- System should be plumbed to curbside rear of truck
- 3/8" diameter 5' long steel application wand shall be supplied
- 25' of  $\frac{1}{2}$ " diameter oil resistant hose
- A brass changeable nozzle at spray tip
- Wand storage brackets
- 10-gallon waste oil tank for cleaning system

### **Auxiliary Electric Heat Patcher**

- Low-density electric heat
- Minimum 6 KW, 240 VAC thermostatically controlled
- 100° F to 300° F
- Rain tight control panel
- Overnight heating of asphalt

### **Hose Reels**

- Emulsion spray hose reel
- Hand torch hose reel
- Solvent hose reel
- All reels are designed to accommodate 25' hoses

### **LPG Tank**

- 25-gallon upright (portable) tank

**Category 1 : Asphalt Paver OR EQUAL, (1e)**

**Bid Price:** \_\_\_\_\_ **(1 only)**

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

It is the purpose of the following specifications to describe an Asphalt Paver or Equivalent.

The unit shall be of the manufacture's current production model, meeting or exceeding the terms of these specifications.

Unit(s) shall be manufacture's most heavy duty model available.

The manufacturer shall furnish parts and operation manuals for the unit(s) bid. The manufacturer shall also guarantee equipment against defects in workmanship and materials for a period of one (1) year.

For any offer to be considered, all items must be of a standard production model, not modified or bid purposes.

The unit shall be of the manufacturer's current production model, meeting or exceeding the terms of these specifications.

**General**

Asphalt Paver will be a piece of equipment used to pave roadway.

**Engine**

The gross power shall be no less than 153hp or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Net power will be no less than 139 hp or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Hopper will have a holding capacity of no less than 215 cu ft. or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Fuel tank will have a holding capacity of no less than 70 gallons of fuel or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Paving width will have a standard paving width of no less than 10 feet or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Inside turning radius will be no less than 9'-6" or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Primary braking system will be hydrostatic transmission dynamic braking or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Truck dump height will be no less than 24.5 or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Oil tank will have capacity of no less than 50 gallons or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Drive system will be a hydraulic drive system or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Transmission will be a fully hydrostatic transmission or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Steering will be full power with an automotive type steering wheel at the operator's station.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Operator's station will be a single operator's station capable of being moved from one side of paver to the other.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

The electrical system will be no less than a 24-volt electrical system utilizing two 12-volt batteries and a 24-volt, 52 amp alternator or equal.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Feeders and Augers will be variable proportional hydrostatically driven operating independently of forward speed control.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Control console will have international symbols and functional word descriptions for all controls.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Ventilation system will consist of a hydraulically driven exhaust fan to vent asphalt vapors away from the operator and screed areas or equal system.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

**Category 2:**

**TRACK LOADER OR EQUAL, (2a)**

**Price FOB Fulton County Shop.....\$\_\_\_\_\_**

**Trade in value 1985 Caterpillar 627B, s/n # 14S01268 deduct \$\_\_\_\_\_**

**Bid Price:\_\_\_\_\_ \$\_\_\_\_\_**

**Make/Model Proposed: \_\_\_\_\_**

**General Bid Specifications**

- Standard machine operating weight, including coolant, lubricants, full fuel tank, general purpose bucket, ROPS cab and 75 kg/165 lb operator, without extra attachments or optional counterweight, shall not be less than 33,389 lb (15,145 kg).
- This vehicle shall have the engine located at the rear to provide unobstructed visibility to the bucket.
- The standard loader, when equipped with the specified general purpose bucket ROPS cab and without optional counterweight, shall have a static tipping load of at least 22,917 lb (10,395 kg).
- Breakout force with the specified general purpose bucket with tilt cylinders and bucket at level ground shall be at least 27,584 lb (122.7 kN).
- Ground clearance shall be at least 15.7 in (400 mm).
- Machine length from bumper to front of track should not exceed 171.3 in (4350 mm).
- Overall machine length with the general purpose bucket with bolt-on teeth and segments on the ground shall not exceed 241 in (6122 mm).
- Overall machine width with the general purpose bucket with bolt-on teeth and segments shall not exceed 95.7 in (2432 mm).
- Overall machine height to the top of the ROPS structure shall not exceed 124 in (3150 mm).
- The loader shall be manufactured on a one-piece unitized main frame.
- Dump clearance at full lift and 45° discharge with the general purpose bucket w/ bolt on teeth & segments shall be at least 108.2 in (2749 mm) per Society of Automotive Engineers. SAE Standard J732.
- Digging depth with a bolt-on teeth and segments general purpose bucket should be at least 5.16 in (131 mm).
- The lift arm and bucket linkage assembly shall be of the Z-bar design. i.e.: The lift and tilt cylinders will use the "head side" rather than the "rod side" of the piston in the hydraulic cylinders for digging to maximize efficiency and forces.
- Rear bumper shall protect machine from rear and side impacts.
- Two front and 2 rear lights, strobe light, and SMV sign shall be provided.

## **Engine Specification**

- The engine shall be manufactured by the loader manufacturer.
- The engine shall be a four-cycle, 6 cylinders, turbo charged and after-cooled diesel.
- The engine shall be equipped with a direct injection fuel system and electric fuel priming pump.
- Engine displacement shall be at least 442 in<sup>3</sup> (7.2 L).
- The engine, including engine cooling fan, and all necessary accessories, shall deliver at least 128 hp (95 kW) at the flywheel (SAE rated).
- The engine shall have a maximum governed speed of no more than 2000 rpm.
- A 24-volt direct electric starting system shall be standard.
- The fuel tank shall have a minimum capacity of at least 62 gallons (233.5 L).

## **Power Train**

- The loader shall be equipped with a hydrostatic drive system.
- The drive system shall provide maximum speeds of at least 5.7 mph (9.2 km/h) both forward and reverse.
- Pedal steering shall be standard.
- The drive system shall provide independent power to each track for controlled power turns and controlled counter rotation (one track in forward, the other in reverse) infinitely variable speed within machine operating speed range.
- Counter-rotation shall be able to be engaged without having to first stop the machine
- Service braking shall be accomplished by dynamic retarding of hydrostatic drive.
- Machine shall also be equipped with pedal-actuated service brake.
- Parking brakes shall be automatically applied when the engine shuts down, transmission control pressure is lost, or transmission control lever is in neutral position.
- Loader parking brakes shall be of multiple disc design.

## **Under Carriage**

- The undercarriage of the standard loader shall have oscillating track roller frames for maximum traction and stability.
- The standard loader shall have six-roller track roller frames.
- Sealed and Lubricated Track shall be standard
- The standard loader shall have a track gauge of no less than 71 in (1800 mm).
- Standard equipment track shoes will be at least 19.7 in (500 mm) wide and of double grouser design.
- Length of track on the ground shall be no more than 92.4 in (2345 mm)
- The standard track shall have at least 3,565 in<sup>2</sup> (2.3 m<sup>2</sup>) of ground contact area.
- The standard machine (including general purpose bucket and ROPS cab) shall have a ground pressure of no more than 9.5psi (65.8 kPa).

## **Implement Hydraulics**

- The loader hydraulic system shall be equipped with a large capacity, vane-type pump.
- Pump output at rated engine speed shall be at least 31.7 gpm (120 L/min).
- The loader controls shall allow for simultaneous lift and dump with energy recovered from the dump to save fuel and speed up the lift for fast truck loading and smooth grading.
- Hydraulic cycle time, including raise, dump, and float down empty, shall not exceed 10 seconds. (Note that with simultaneous raise and dump, dump time is already included in raise time.)

## **Bucket**

- The general purpose bucket with bolt-on teeth & segments shall have at least 2.42 yd<sup>3</sup> (1.85 m<sup>3</sup>) per the Society of Automotive Engineers. (SAE Standard J742 governs loader ratings.)
- The general purpose bucket will have 8 bolt-on teeth plus cutting edge segments between the teeth with the outside teeth straddling the bucket corner for maximum bucket edge protection.
- The loader shall be equipped with an automatic lift kickout and automatic "return to dig" bucket positioned.

## **Operators Compartment**

- ROPS cab shall meet ROPS criteria SAE J397, SAE J1040, ISO 3164, ISO 3471.
- The loader equipped with cab shall have both left and right operator doors
- The cab shall have fresh air pressurization with replaceable filter.
- The cab shall have front and rear windshield wipers.
- Front windshield wiper shall feature intermittent control.
- The standard seat shall have adjustable (vertical) air suspension and a lockable (left/right) isolator to provide a smooth ride.
- The cab shall have a standard rear-view mirror.
- The loader shall have a standard electrical horn.
- The dashboard gauges shall be located in front of the operator.
- The operator's compartment shall feature a computerized system to monitor important machine systems: coolant temperature, engine oil pressure, transmission oil temperature and alternator output.
- The computerized monitoring system shall deliver three categories of action: An alert indicator signals a potential non-critical problem; a flashing main action indicator light indicates continued operation could cause eventual component failure; a flashing action indicator light and horn warns that operation will cause immediate failure of a component or a safety device malfunction.
- Fault codes shall be visible in the operator's compartment.
- A retractable, at least 2 in (50.8 mm) wide seat belt shall be standard.
- An air conditioner shall be standard equipment in all cabs.
- A heater shall be standard with cab.



- A fuel indicator gauge shall be standard.
- The standard machine shall be "radio ready" including 12-volt power supply, speakers and wiring.
- A cup holder shall be standard.
- A coat hook shall be standard
- Back up alarm shall be standard.

## **Service**

- Machine shall have easily accessible remote-mounted oil filters to simplify routine maintenance.
- All routine service points, with the exception of engine coolant level, shall be accessible from ground level with lift arms on the ground.
- Quick disconnect hydraulic pressure taps shall be provided to allow rapid in-field diagnosis of malfunctions in implement or drive hydraulic systems.
- The machine shall provide the ability to lower the bucket when the electronics are not energized.
- Hinged engine side panels shall be offered as standard equipment.
- The loader linkage and upper bucket hinge pins shall require lubrication at no less than 100 service meter hour intervals.
- The standard machine shall be equipped with bolt-on sprocket rim segments which allow sprocket teeth removal without breaking the track
- The track shall have a split master link.
- Service, parts and operators manual will be provided.
- Idler mounting shall be such that it does not include or require shim or wear materials.

**Category 2:                      Track Hoe, Bobcat Model 337 OR EQUAL 2b)**

**Bid Price:** \_\_\_\_\_ **(1 only)**

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

- The engine shall be a 46 hp kubota model v-2205-eb diesel or equal. The engine shall be liquid cooled and have a minimum displacement Of 134 cubic inches
- The track hoe shall have a maximum weight of 18,740 pounds.
- The track hoe shall have a travel speed of 2.9 mph in high and a Travel speed of 1.7 in low.
- The track hoe shall have three (3) gear piston hydraulic pumps with A total capacity of 17.4 liters/minute. The hydraulic system shall Have a hydraulic tank with a capacity of 6 gallons.
- The track hoe shall have a fuel tank capacity of 16.7 u.s. gallons.
- Each track shall be independently driven by a hydrostatic piston Motor connected to a two stage planetary gear reduction box. Each track shall be 15.7" wide with standard track shoes of ½" pitch Rubber. The ground pressure shall not exceed 4.5 psi.
- The arm length shall be 60". The digging depth shall be a minimum of 144". The digging reach at ground level shall be a minimum of 226". The vertical wall digging depth shall be a minimum o 118". The digging height shall be a minimum of 216"
- The price or prices quoted shall include all transportation charges to Fulton County. Address shall be provided. Pressure washer shall have a one (1) year warranty for the entire unit and a five (5) year limited warranty.

**Category 2: CASE 590 SM LOADER/BACKHOE OR EQUAL (2c)**

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

**CASE 590SM LOADER BACKHOE**

The following specifications describes the minimum requirements for a tractor loader backhoe. The equipment bid shall be new and bidder must identify equipment manufactured the same year or succeeding year of the bid and be a current design and production model, and available to the commercial market. Any additions, deletions or variations from the following specifications must be noted, or the bid will be rejected. Standard items appearing in the manufacturer's published specifications furnished by the bidder shall be included in the bid unless otherwise noted. One copy of the manufacturer's published specification shall be included with the bid. The following information will help to design a government or public utility bid requirement for 1.25 cubic yard loader backhoe.

**GENERAL**

The loader backhoe shall be a regular production model for which published specifications are available. Machine modifications to meet the operational requirements of this specification shall be limited to the manufacturer's published standard and optional equipment. All operating specifications are based on current SAE standards and shall be the basis for determining compliance with specified requirements.

The loader backhoe shall have a 99 net horsepower, turbocharged diesel tractor with front loader, and 1.25 cubic yard capacity heaped bucket and backhoe with 15-foot dig depth. The loader backhoe shall have a minimum operating weight of 15,200 pounds. The loader backhoe shall meet all OSHA and EPA requirements in effect on the date of bid opening and shall have lead free paint.

**ENGINE**

The loader backhoe shall have a 4-cylinder diesel engine with a minimum 99 net horsepower. The engine shall provide a minimum SAE net torque rating of 291 ft lbs at 1500 RPM.

The engine also shall have the following:

- |  |  |
|--|--|
| <input type="checkbox"/> Parent metal bore         | <input type="checkbox"/> Dual-stage air cleaner    |
| <input type="checkbox"/> Integral water pump       | <input type="checkbox"/> Internal oil cooler       |
| <input type="checkbox"/> 12-volt electrical system | <input type="checkbox"/> Minimum 65-amp alternator |

**Category 2: Dozer Tractor OR EQUAL (2d)**

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

**BID SPECIFICATION**

**POWER TRAIN**

- Turbocharged diesel engine shall be provided and shall have not less than six cylinders.
- Fuel-water separator with a spin-on replaceable element shall be provided.
- The engine shall have a displacement of not less than 305 cubic inches.
- Engine shall meet EPA Tier II emissions levels
- Two maintenance free batteries shall be provided and shall have no less than 900 CCA each.
- Hydrostatic power train system shall be provided and shall include two high pressure, variable displacement piston pumps attached directly to the engine flywheel housing.
- Hydrostatic (dynamic) braking through the machine drive system shall be provided using joystick control or center pedal.
- Speeds forward and reverse shall be infinitely variable from 0 to 5.6 mph.
- Steering, direction, and braking shall be controlled using only a single lever.
- Cooling fan shall be of blower-type.
- Power train system shall have counter rotation abilities
- Parking brakes shall be of spring-applied and hydraulically released design.
- Power train system shall provide power to both tracks during all steering maneuvers
- Engine shall be equipped with a turbine-type pre-cleaner with primary and secondary air filters.
- Engine shall provide not less than 70 flywheel horsepower
- Engine shall be equipped with electric fuel priming pump.
- Alternator shall provide a minimum of 110 amps.
- Engine shall be equipped with an automatic air inlet heater for ease of cold weather starting.
- Fuel tank capacity shall be not less than 165 US Gallons.
- Track pins and bushings shall be sealed and lubricated with oil in the pin and bushing interface.
- The track shall be able to be split using only a wrench.
- Roller frames shall be fabricated as full box sections to resist bending and twisting and to keep the tracks aligned for proper wear.
- Segmented sprockets shall be provided so individual segments can be replaced.
- Sprocket teeth shall be replaceable without breaking the tracks.

- The undercarriage shall be designed and manufactured by the tractor manufacturer.
- Full-length recoil guards shall be provided to prevent recycling of material through the undercarriage system
- Machine will have a strobe light and SMV sign.
- LGP track shoes shall be not less than 25 inches wide.
- Length of track on ground shall be not less than 81 in.
- Track links shall include struts for added strength.
- Each track shall have a minimum of six bottom rollers.
- Each track shall have a minimum of one carrier roller.
- LGP track gauge shall be not less than 66 inches.
- Final Drives shall be of planetary design.

### **Blade, C-Frame and Mainframe**

- Machine shall be pre-wired and have mounting brackets installed for a laser grade system.
- Blade height shall be not less than 33.0 inches for machines having LGP width track.
- Blade pitch shall be adjustable from 50 degrees to 55 degrees with an infinite range of positions between 50 degrees and 55 degrees.
- Mainframe shall be of a one-piece design for increased reliability and durability.
- All bulldozer pivot points shall be equipped with grease able zerk fittings.
- Capacity of the LGP blade shall be not less than 2.00 cubic yards.
- The blade shall be a full width, four box-section construction.
- Cutting edge shall have not less than four sections.

### **Operator Compartment**

- The single lever dozer control shall control all blade lift, angle and tilt functions.
- Gauges for fuel level, hydraulic oil temperature, engine oil pressure, coolant temperature and maximum speed shall be provided along with an hour meter.
- A suspension adjustable seat providing fore/aft positioning, back cushion angle adjustment, seat cushion tilt, back rest extension, lumbar adjustment, height adjustment with 3 inch retractable seat belt and adjustable backrest shall be provided.
- Three inch retractable seat belt shall be provided.
- Operator compartment shall include vertical and horizontal adjustable armrests.
- Operator compartment shall include a vandalism guard to protect the dash board and other instruments
- A canopy heater shall be included.
- Vender shall include an operations, parts and service manual.
- Overall length shall not be greater than 158.1 inches for machine having LGP undercarriage.
- Overall height of tractor shall be not greater than 108.9 inches
- Operating weight of machine, with ROPS canopy, having LGP undercarriage shall be not less than 17,126 lb.
- Ground clearance measured according to SAE J1234 shall not be less than 14.7 inches.

### Serviceability

- A diagnostic test bank shall be included for ease of service.
- Hydraulic oil change interval shall be no less than 2000 hours
- Engine oil change interval shall be no less than 500 hours.
- Engine oil filter change interval shall be no less than 500 hours
- Hydraulic oil filter change interval shall be no less than 500 hours.

#### OPTIONS:

Cab and A/C	\$ _____
Off-board Laser Transmitter and tripod	\$ _____
1 Laser Receiver, electric mast, cab controls and cables	\$ _____
2 <sup>nd</sup> Laser Receiver and Mast	\$ _____
Dealer to list number of trained servicemen	_____
Of the total servicemen how many are field servicemen	_____
Dollar volume of parts inventory at your service location	_____
Does the manufacturer have a parts depot in Atlanta	_____
Number of year's dealer in business in Atlanta.	_____
List address of facility.	_____

County may visit your site during evaluation process: \_\_\_\_Yes \_\_\_\_No

Does selling dealer handle machine, engine, transmission, pumps, etc. warranties? : \_\_\_\_Yes \_\_\_\_No

**Category 2:**                    **Tractor w/96" Rear PTO Driven Flail Mower  
& w/90" Side Mounted Flail Mower OR EQUAL (2e)**

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

SCOPE: This specification covers one tractor w/96' rear PTO driven flail mower.

VENDOR INFORMATION: The vehicle/s offered shall be comparable with the detailed requirements listed below (unless otherwise noted). Bidders are to indicate exactly what they are offering in each one of the following blanks in the "BIDDER'S RESPONSE"... IF THIS IS NOT DONE, OR IT IS INCOMPLETE, YOUR BID WILL NOT BE CONSIDERED FOR AWARD until you furnish all the information. \_

SUPPORTING DATA: Bidder's must furnish catalog pages, specification sheets, or similar data to support statements made on the BIDDER'S RESPONSE line. Failure to furnish required data MAY BE CONSIDERED AS CAUSE FOR REJECTION OF BID.

### **SPECIFICATIONS**

#### **JD 7220 CAB 4X4 16X16**

##### **General**

It is the purpose of the following specifications to describe an industrial self propelled hydraulically powered mower tractor. The unit shall be of the manufacturer's current production model, meeting or exceeding the terms of these specifications. Unit(s) shall be manufacturer's heaviest duty model available.

The manufacturer shall guarantee equipment against defects in workmanship and materials for a period of two (2) years. The vendor shall guarantee that a stock of components parts shall be available at a location convenient to the user.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The unit(s) shall be complete an operable upon delivery to then purchaser's site within \_\_\_\_\_ days.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

For any offer to be considered, all items must be of a standard production model, not modified for bid purposes.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

## **ENGINE AND DRIVE TRAIN**

Engine shall be a turbocharged 6 cylinder, direct injection diesel engine of at least 415 cubic inch displacement (6.8 Liters) and 95 PTO horsepower at 2,300 RPM.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The Engine shall be valve in head, 4 cylinder and be equipped with electric start, cold weather starting aid and full flow oil filter

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Engines shall be wide front utility type (not low slung industrial or high clearance row crop agricultural).

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Unit shall have tilting cab capabilities for servicing of the unit.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Steering shall be hydrostatic 3.5 turns lock to lock.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Hydraulic pump shall be front mounted in line with crankshaft.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

100% of engine horsepower shall be available to front mounted pump.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Hydraulic pump shall produce 25 GPM at 2,900 P.S.I. at rated engine RPM, and shall have 4 way, self centering spools for a minimum of 2 dual outlets.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Transmission shall provide 16 forward speeds (1.5 to 17.8 mph) and 16 reverse speeds (1.6 to 18.6 mph) with a neutral position for smooth change of direction without clutching.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The transmission shall be for modular design and not used for structural support.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

A single lever shall operate 4 ranges with a single switch located on the lever to operate 4 POWER-SHIFT speeds, a left hand lever controls forward and reverse control with a neutral detent.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The gears shall be helical cut and shall be pressure lubricated.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The 9-inch triple wet disk clutch shall be integrated into the speed module and located between the 4 speed planetary unit and the power reverse for forward motion.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**



The reverse drive shall be controlled by a separate, triple disk break, which is part of the reverse unit.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The power reverse shall provide a smooth, safe and well modulated change of direction without clutching.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

The transmission shall provide neutral position and a neutral to gear modulation, which will allow operator precise control and smooth operation.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Front wheel drive shall be a modular design; electro-hydraulic engaged with auto-engagement system.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Wheels shall caster 12 degrees with a minimum turn of 52 degrees.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Cooling system shall be pressurized with thermostat and bypass and shall be antifreeze protected to 35F.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Electric system shall be 12 –volt, 115-amp alternator and 1200 CCA battery.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Clutch shall be foot operated, 9” wet disk, and clutch pack.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Final drive shall be double reduction with planetary gears mounted inboard on flanged axles.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Brakes shall be hydraulic disk type.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Differential lock shall be foot operated.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

PTO is live independent, power –engaged 540/1000 RPM.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Front shall be 380/85 x 28”, R-1, 10pr.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Rear shall be 480/80 x 38” wide.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No**

Wheelbase shall be a minimum of 104.3"

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Shall have rear fenders, dry air cleaner, fuel filter, vertical w under hood muffler, and swinging drawbar.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Three point hitch and controls shall be furnished.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

### **Cab**

Shall be original equipment unutilized to power unit and be certified PROPS.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Shall have full steel frame with rubber mounted pads.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Shall have two one piece doors with locks and keys.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Shall include a complete environmental control system including:

Three speed pressurizer	Y_____	N_____
Heater	Y_____	N_____
Louvers	Y_____	N_____
Air conditioning	Y_____	N_____
Air filtration	Y_____	N_____
Dome lights	Y_____	N_____
Dash mounted instruments	Y_____	N_____
Heavy duty deluxe back interior	Y_____	N_____

Seat shall be ergonomically designed back and air ride seat cushion with swivel right and left.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Shall have hardened polycarbonate right hand windows (BOOM MOWERS ONLY)

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

All windows shall be tinted safety glass and shall have rear and side hinge-out windows.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Shall have an interior mirror and two (2) outside mirrors.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

Cab shall tilt for full servicing or transmission, hydraulics and rear differential.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

## **Paint**

Unit shall be painted manufacturer's standard color in its entirety.

**Comply:** \_\_\_\_\_ **Yes** \_\_\_\_\_ **No** \_\_\_\_\_

## **96" REAR PTO DRIVEN FLAIL MOWER**

### **General**

It is the purpose of the following specifications is to describe a PTO powered flail type mower, which shall mow centered or offset behind tractor.

The unit shall be of the manufacturer's current production model, meeting or exceeding the terms of these specifications

- Unit(s) shall be manufacturer's heavy-duty model.
- The manufacturer shall furnish parts and operation manuals for the unit(s) bid.

## **SAFETY AND TESTING**

- Shall meet or exceed all applicable ANSI, SAE, and ASAE test standards.
- Cutting width shall be at least 96" of actual cut.
- Cutting assembly shall be flail type, mechanically powered
- Cutting shaft shall be dynamically balanced, 6" diameter, 3/8" wall tubing with 2 3/16" diameter stub shafts and bearings.
- Cutter head shall have 104 forged, self cleaning, reversible all purpose knives and 52 smooth cut knives.
- Knife interchangeability shall not require change of cutter shaft.
- Cutting height shall be infinitely adjustable from -1/2" to +6". (It shall not be necessary to remove the roller mounting brackets to adjust cutting height).
- Cutter shaft will have bearing wrap protection.
- Ground roller shall be 6 5/8" diameter with 1 3/8" double row spherical bearings and replaceable 1-3/8" stub shafts with external bearing hub caps and cap retainers.
- Cutting head weight shall be a minimum of 1,505 pounds.
- Cutting bonnet thickness shall be 10 gauge, 80,000 lb yield steel with 1/2" drive side and 3/8" carrier side steel end plates.
- Cutting head shall have replaceable skid shoes.
- Cutter shaft shall be rated at maximum of 2,400 RPM.
- Knife swing circumference shall be a minimum of 58 1/2".
- Gearbox shall be reversible.
- Drive belt system shall have minimum rating of 81 HP.
- Cutting head shall have a minimum of 540-RPM PTO drive.
- PTO shaft shall have a minimum rating of 65 horsepower.
- Unit shall have three point hitch Category II mountings
- Safety discharge flap shall be provided.
- Reverse rotation models shall be equipped with front deflector.

**Category 3:            2002 Chassis Cab w/10 Yard Dump Body & Hoist OR  
EQUAL, (3a)**

**Bid Price:** \_\_\_\_\_ **(3 only)**

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

**2002 Chassis Cab w/ 10 Yd. Dump Body & Hoist**

**\*\*NOTE\*\***

All bidders shall indicate exactly what they are offering on the following blanks under "Bidders Response". Do not use "Comply", "Yes", or "OK" unless supplying exactly as specified. Exceptions and/or non-complying features must be identified and fully explained on a separate page(s) if required.

**MANUFACTURER – CHASSIS and**

**MODEL#:** \_\_\_\_\_ **(01A)**

**DUMP BODY and MODEL #:** \_\_\_\_\_ **(01B)**

**HOIST and MODEL #:** \_\_\_\_\_ **(01C)**

**PRICE: FOB FULTON COUNTY** \_\_\_\_\_ **(01G)**

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_ **(01H)**

**MINIMUM REQUIREMENTS**

1. G.V.W.: 60,000 Pounds..... \_\_\_\_\_
2. Chassis: Mack Rd600s Or Equivalent Six- (6) Wheel  
Truck..... \_\_\_\_\_
3. Frame Rails: 10.75" X 3.25" X .375" Steel  
Sm 16.98 Ci/Rbm \_\_\_\_\_
4. Wheelbase: 210 Inches \_\_\_\_\_
5. Cab To Axle: 131 Inches \_\_\_\_\_
6. Platform: 196 Inch Length, 65" Axle Frame \_\_\_\_\_
7. Engine Shall Be A Mack Em7-300 Or Equivalent 300 Hp At 1750 Rpm And Be  
Epa Certified Lel \_\_\_\_\_
8. Transmission: Mack T2070 Or Equivalent Seven (7) Speed  
Manual \_\_\_\_\_

9. Clutch: Spicer CI798 Or Equivalent Manual Adjusting, 15.5" Twoplate Ceramic With Coaxial Spring Dampened Disc And 2.0" Diameter Spline  
\_\_\_\_\_
10. Air Compressor: 13.2 Cfm Minimum Rating\_\_\_\_\_
11. Air Cleaner: 13" Diameter External Cowl Mounted Single Element Dry Type  
\_\_\_\_\_
12. Alternator: Delco Or Equivalent 12v, 00amp.\_\_\_\_\_
13. Battery: Three (3) Each 12 Volt M/F Group 31 625/1875 Cca Threaded Stud Type \_\_\_\_\_
14. Coolant Conditioner: Spin-On Type \_\_\_\_\_
15. Coolant Protection: To Minus Ten Degrees Fahrenheit (Minus 23 Degrees Celsius) \_\_\_\_\_
16. Engine Hoses And Tubing: Silicone \_\_\_\_\_
17. Exhaust: Single Vertical With Heat Shield For Muffler Exhaust Pipe Connections, Flex Pipe \_\_\_\_\_
18. Fly Wheel Housing: Iron \_\_\_\_\_
19. Radiator/Coolng System: 1000 Square Inches Frontal Area Standard Cooling Capacity \_\_\_\_\_
20. Service Interval: Lube Oil System, Esi With Two Spin On Full Flow Oil Filters With Centri-Max Centrifugal Oil Filter And 16,000 Miles Interval  
\_\_\_\_\_
21. Starter: Delco 42mt Or Equivalent 12 Volt, Type 400 Electric \_\_\_\_\_
22. Pto Side Gears: Left Hand And Right Hand \_\_\_\_\_
23. Driveline: Main And Interaxle, Spicer 1710 Hd Or Equivalent With Coated Splines \_\_\_\_\_
24. Heater: Mack Red Dot Model Or Equivalent With Combination Heater/Air Conditioner Unit\_\_\_\_\_
25. Air Restriction Monitor (Intake): Graduated Lock Up (Air Cleaner Intake Mounted) \_\_\_\_\_
26. Cab: Ca49 Conventional, Welded Steel Galvanized Steel With Mack Rust Preventative Procedures Or Equivalent\_\_\_\_\_
27. Cab Mounting: Trunnion Front, Air Suspended Rear \_\_\_\_\_
28. Dispatch Box: Included \_\_\_\_\_
29. Dome Light: One (1) Each Headliner Mounted With Self Contained Switch  
\_\_\_\_\_

30. Doors: Galvanized Steel With Non-Tinted Vent Window And Rollup Side Window \_\_\_\_\_
31. Engine Protection System: Kysor Alarm System With Light & Buzzer Monitoring High Coolant Temperature, Low Oil Pressure & Low Coolant Level In Radiator \_\_\_\_\_
32. Engine Shutoff: Pull Type Control \_\_\_\_\_
33. Flashers: Four-Way \_\_\_\_\_
34. Floor Covering: Rubber Mats With Closed Cell Vinyl Nitrile Foam Backing \_\_\_\_\_
35. Gauges: Air Pressure, Voltmeter, Engine Coolant, English Display, Speedometer With Trip Odometer, Electronic Engine Tachometer With Hourmeter \_\_\_\_\_
36. Glass: Cab Window, Side And Rear Windows, Safety Tinted Windshield \_\_\_\_\_
37. Grab Handles: Stainless Steel, Rh And Lh Behind Door \_\_\_\_\_
38. Grille: Silver Finish, Horizontal Tube Style \_\_\_\_\_
39. Hand Throttle Control: Pull Type \_\_\_\_\_
40. Indicator Light: High Beam \_\_\_\_\_
41. Hood And Fenders: Fiberglass Hood With Frame Mounted Fender Splash Shield Section (One Piece Molded Including Fender Extensions From Therm Plastic Olefin Material, Tilts Forward 75 Degrees) \_\_\_\_\_
42. Hood Latches: Painted \_\_\_\_\_
43. Horn: One (1) Each Single Trumpet Air And One (1) Electric Single Tone \_\_\_\_\_
44. Identification/Clearance Lights: Five (5) Each Marker And Clearance \_\_\_\_\_ (
45. Instrument Panel: Tmc Recommended Type, Silver/Gray In Color \_\_\_\_\_
46. Interior Trim Level: Overhead Console With Location For Optional Radio, Padded Vinyl Front Headliner Trim Panel, Door Trim Panels With Armrest Pads On Both Sides, Carpeted Lower Section, Seats Trimmed In Vinyl...All Above Silver/Gray In Color And One (1) Each 21" Diameter Soft Feel, Spoke Style, Black Steering Wheel And Wiring Diagram \_\_\_\_\_
47. Chassis Keyed At Random - Two (2) Keys \_\_\_\_\_
48. Indicator Light And Buzzer: Low Air Pressure \_\_\_\_\_
49. Mirrors: Exterior - West Coast Style Rh & Lh Bright Finish With Stainless Steel Arms & Brackets, Convex Type Bright Finish Lh & Rh 7.5" Diameter Mounted To West Coast Mirror Brackets \_\_\_\_\_
50. Brake: Parking Control With Warning Light...\_\_\_\_\_

51. Radio: Am/Fm With Roof Mounted Antenna \_\_\_\_\_
52. Binding Posts: 5-Way For Cb \_\_\_\_\_
53. Rear Window: Fixed Type \_\_\_\_\_
54. Seat: Driver And Rider Bostrom 914 Or Equivalent Hi-Back Air Suspension, Vinyl Covered \_\_\_\_\_
55. Seat Belts: Lap And Shoulder With Locking Seat Belt Retractors And "Komfort Latch" For Driver And Rider Seats \_\_\_\_\_
56. Side Markers: Lamps And Reflectors \_\_\_\_\_
57. Starter Switch: Key Type \_\_\_\_\_
58. Steering Column: Adjustable \_\_\_\_\_
59. Sun Visor: Interior, Both Sides, Padded Black \_\_\_\_\_
60. Turn Signals: Standard Finish With Manual Cancelling Switch  
\_\_\_\_\_
61. Ventilation: Cab, Cowl - Lh One Way Type; Upper - Fresh Air Inlet For Heater; Roof - Two Way Type (All Vents Screened)  
\_\_\_\_\_
62. Window Controls: Hand Crank Operation \_\_\_\_\_
63. Windshield Washers/Wipers: Electric, Wiper Mounted With 5 Quart Reservoir; Two (2) Each Fixed Arm And Blade Type With Twospeed Electric Motor \_\_\_\_\_
64. Bumper: Front Swept Back Steel Channel Extension  
\_\_\_\_\_
65. Crossmembers: Steel Huck Bolted Back To Back Behind Cab And Intermediates; Web Channel Back Behind Rear Axle  
\_\_\_\_\_
66. Towing Device: Front - Eyes; Rear – Hooks Frame Mounted  
\_\_\_\_\_
67. Fuel Tank: Lh And Rh, Each 55 Gallon, 24" Diameter Aluminum Unpainted Step \_\_\_\_\_
68. Front Axle: 18,000 Pound, Mack Afw18 Or Equivalent  
\_\_\_\_\_
69. Tires: Front - Goodyear Or Equivalent Radial Ply (2) 11r24.5 14 G Unisteelg159 \_\_\_\_\_
70. Wheels: Aluminum Disc 24.5 X 8.25 Alcoa 10-Hole – Front  
\_\_\_\_\_
71. Hubs: Front, Ferrous \_\_\_\_\_

72. Brakes: Front - Rockwell Or Equivalent "S" Cab Type 16.5" X 5" Q With Cast Outboard Mounted Front Brake Drums  
\_\_\_\_\_
73. Oil Seals: Front Wheels, Factory \_\_\_\_\_
74. Shock Absorbers: Front \_\_\_\_\_
75. Slack Adjusters: Front, Haldex Or Equivalent Automatic  
\_\_\_\_\_
76. Springs: Front, Mack Taperleaf Hd Or Equivalent, 18,000 Pound Ground Load Rating \_\_\_\_\_
77. Spring Centers: 34.5 Inches \_\_\_\_\_
78. Steering: 492s Sheppard Or Equivalent Integral Power  
\_\_\_\_\_
79. Rear Axle/Suspension: 40,000 Pound Mack Sb38 Multileaf; Recertified To 40,000 Pound, Or Equivalent \_\_\_\_\_
80. Radial Ply 11r24.5 14 G Unisteel G167a Tires \_\_\_\_\_
81. Carrier/Ratio: Rear Axle, Mack Malleable Crdpc92/Crd93 5.73 Ratio Or Equivalent \_\_\_\_\_
82. Wheels: Rear, Steel Disc 10 Hole 24.5 X 8.25 Accuride 10-Hole  
\_\_\_\_\_
83. Hubs: Rear, Ferrous \_\_\_\_\_
84. Brakes: Rear, Rockwell "S" Cam 26.5" X 7" Q With Cast Outboard Mounted Brake Drums \_\_\_\_\_
85. Oil Seals: Factory Option \_\_\_\_\_
86. Raised Rear Brake Chambers: Rear Axle Only \_\_\_\_\_
87. Slack Adjusters: Rear, Haldex – Automatic \_\_\_\_\_
88. Suspension: Axle Spacing 50 Inches \_\_\_\_\_
89. Springs: Anti-Sway \_\_\_\_\_
90. Spring Brake Chambers: Four (4) Each Double Diaphragm Type, Mechanical Spring Release, Mounted Two Each Per Axle  
\_\_\_\_\_



91. Spring Brake Chambers: Anchorlok Or Equivalent  
\_\_\_\_\_
92. Trunnion Bushing: Bronze \_\_\_\_\_
93. Air Lines (Chassis): Extruded Nylon Tubing (Single Extrusion On 1/8" & 1/4"  
Lines And Polyester Reinforced Center On 3/8" And Larger)  
\_\_\_\_\_
94. Air Brake System: Dual \_\_\_\_\_
95. Air Dryer: Bendix System Guard Ad-9 Or Equivalent Heated  
\_\_\_\_\_
96. Air Reservoirs: 5961 Cubic Inch Capacity - One Supply (Wet) Tank  
Mounted Inside Frame Rail & One Dual Compartment Primary/Secondary Tank  
Mounted Under Lh Frame Rail \_\_\_\_\_
97. Brake Control Valve System: Three (3) Valve Dual Brake System –  
Tractor Park, Trailer Supply And Tractor- Trailer Park \_\_\_\_\_
98. Battery Box (Es): Steel Base With Painted Steel Covers  
\_\_\_\_\_
99. Courtesy Light Switch: Headlamp & Clearance \_\_\_\_\_
100. Electrical Circuits/Bulbs: 12 Volt With Circuit Breakers  
(Headlamp - Sae Type I, All Other Sae Type Ii) Negative Ground System  
\_\_\_\_\_
101. Electrical System: 12 Volt \_\_\_\_\_
102. Lighting: Headlights - Single Rectangular Haulgen Lamps With Lexan Lens  
\_\_\_\_\_
103. (2) Each Combination Stop, Tail, Directional And Back -Up Lights  
\_\_\_\_\_
104. Signal: Flasher Type, Thermal Flasher \_\_\_\_\_
105. Paint: Cab Exterior - Single Color Mack High Gloss White Or  
Equivalent; Chassis Running Gear - Mack Black Water Base Or Equivalent  
\_\_\_\_\_
106. Light: Dietz #7-11404 Or Equivalent Amber Four Sealed Beam  
Beacon Light \_\_\_\_\_

## **Dump Body And Hoist Assembly:**

1. Dump Body: Heil Or Equivalent Heavy Duty Municipal Style  
\_\_\_\_\_
2. Hoist Assembly: Heil Or Equivalent High Pressure Telescopic  
Hoist For A 132 Inch Cab To Axle Tansem Axle Truck Chassis  
\_\_\_\_\_
3. Dump Body Dimensions (Inside): Length -15-1/2 Feet; Width - 7 Feet; Sides –  
38 Inches; Head - 50 Inches And Tail Gate - 50 Inches \_\_\_\_\_
4. Sides: Ten Gauge Hi-Tensile Steel With 4" Wide Continuously  
Welded Top Rail And A Full Depth Continuously Welded Boxed Rear Corner  
Posts. Full Length 35 Degree Sloped Rub Rails Five Vertical 5" Wide And Box  
Type Continuously Welded Side Braces. Sides Shall Be Supported With Full  
Depth Rear Corner Post \_\_\_\_\_
5. Floor: Eight Gauge Hi-Tensile Steel, Two Piece Centerline Welded Floor And  
Side Construction With Two Inch Radius Floor To Form Floor To Side. Floor  
Shall Be Smooth Construction To Ensure Complete Dumping  
\_\_\_\_\_
6. Head: Ten Gauge Hi-Tensile Steel 50" High One Piece Continuously Welded  
Front Head \_\_\_\_\_
7. Cab: Ten Gauge Hi-Tensile Steel 1/2 Style Protector Cabshield With Wind  
Deflector And Heavy Duty Bracing 16" Down On Side Of Body  
\_\_\_\_\_
8. Under: Fabricated 8 Gauge Hi-Tensile Steel Structure  
Cross members Inter-Laced Through Long members. Cross members To Be 4"  
X 2" "L" Sections And Long members To Be 12" X 3" "J" Sections Long  
members And Cross Members To Be On Twelve Inch Centers Welded To Body  
And Gusseted \_\_\_\_\_
9. Tailgate: Eight Gauge Hi-Tensile Steel, Heavy Duty Reinforced Nine (9) Panel  
Sloping Style Tailgate With Continuously Welded Self Cleaning Center And  
Bottom Horizontal Box Type Braces, 5/16" Zinc Plated Spreader Chains.  
Tailgate To Be Air Operated With "In Cab" Controls \_\_\_\_\_
10. Body Props: Two Body Prop Bars Mounted Outside Of  
Long member To Support The Body While In An Up Position  
\_\_\_\_\_
11. Paint: Completely Double Primed Body Painted With Two Coats Of  
Polyurethane Imron Or Equivalent, Color To Be One Solid Color To Be  
Specified. Black Painted Undercoating Onto Primed Metal  
Surface \_\_\_\_\_

12. Hoist And Pto: Heil Hpt 63-130 Or Equivalent Three Stage Single Cylinder High Pressure Hoist, With A Hard Chrome Piston Shaft. Cylinder Will Be Connected To A Uni-Directional Hydraulic System Which Will Accept A Filter If Needed. No Less Than A 38.0 Ton Ntea Rated Class 110 Hoist. Pump To Be A Minimum Of 45 Gpm At 2000 Rpm Type Direct Mount Pump With A Separate Control Valve. Drive Shaft Style Pump Will Not Be Acceptable. Pump And Hoist To Have A Two Year Warranty. Pto To Be Double Gear Style With Hot Shift And Over Speed Controls In Cab \_\_\_\_\_
13. Tarp System: Tarp System Shall Be A Super Heavy Duty Type With Support Arms That Have A Forty-Five Degree Bend Near Top And Have A Minimum Of 2" Heavy Wall Tubing And A 2" Heavy Wall Tubing Roller Tube For Storing Tarp When In A Rolled Position. System To Be Powered By A Sealed Electric 12 Volt Motor With An Internal Clutch Assembly With An Adjustable Torque Limiter And A Chain Drive. Motor And Chain To Have A Metal Safety Cover. Springs Are To Be Under Body Coil Type That Apply Positive Pressure To The System When The Tarp Is In The Load Covered Position. Switch In Cab To Be Mounted In A Convenient Location. Tarp Cover Is To Be Mesh Style \_\_\_\_\_
14. Hoist Control: Single Handle Console Type \_\_\_\_\_
15. Lighting: Icc Lighting Package \_\_\_\_\_
16. Mud Flaps: 30" Length \_\_\_\_\_
17. Alarm: Back, Audible Style \_\_\_\_\_
18. Hitch: 25-Ton Pintle With Heavy Duty Reinforcement. Ensure Pintle Hitch Is Positioned Such That It Does Not Interfere With dumping Action At Full Tilt. Extend Air To Rear Of Chassis From Tractor Package And Add 6-Pin Trailer Socket \_\_\_\_\_
19. Body Raise Light: In Cab \_\_\_\_\_
20. Side Boards: Oak, Mounted On Body Sides, To Be A Minimum Of 12 Inches In Height \_\_\_\_\_
21. A 20 Pound Abc Fire Extinguisher Shall Be Mounted And Included In Cab. \_\_\_\_\_

**-Special Conditions-**

Bidder Shall Submit With Bid Package Relevant Product Data Sheets To Show Compliance With The Specified Product Standards. The Product Literature Must Highlight The Specifications To Include Key Performance, Material, Engineering And Safety Features. Descriptive Literature And Capacities Will Also Be Submitted Upon

Request. Literature Will Be Properly Marked With Vendor's Name And Item(S) Specified.

The Apparent Silence Of This Specification, Any Supplement Thereto, As To Details, Or The Omission From It Of A De Tailed Description Concerning Any Point, Will Be Regarded As Meaning Only The Best Commercial Practices Are To Prevail. Only Materials Of The Highest Quality, Correct Type, Size And Design Are To Be Used. All Interpretations Of This Specification Will Be Made Upon The Basis Of This Statement, With Fulton County Interpretation To Prevail.

Bidders Offering Other Than The Referenced Products Must Submit With Their Bids Appropriate Product Literature, Properly Marked With Vendor's Name And Item Numbers To Support Equality Of Proposed Alternate With Stated Brands And/Or Products. Bidder Shall Submit Relevant Product Data Sheets To Prove Compliance With The Specified Product Standards. Product Literature Must Highlight The Specification To Include Key Performance, Material, Engineering And Safety Features.

Successful Bidder Must Supply A Full Set Of Shop Service And Maintenance Manuals For No Less Than: Cab & Chassis; Body' And, Tarp System.

A Detailed Parts Breakdown Most Specifically For The Body (And Piston) And The Tarps.

Final Stage Manufacturer Shall Certify In Writing That Vehicle Is In Compliance With All Applicable Federal, State And Local; Laws, Regulations And Statutes.

Final Stage Manufacturer Shall Provide Operator Training When Completed Unit Is Placed In Service.

**Category 3:               STERLING, Model # ACTERRA 5 Yard Dump Truck OR  
EQUAL, (3b)**

**Bid Price:** \_\_\_\_\_ (3 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

This specification covers a (3) three 5 to 6 cu. yd., 30,000 lbs. GVWR dump truck with a diesel engine.

**VENDOR INFORMATION:**

The equipment \_\_\_\_\_  
Offered shall be equal with the detailed requirements listed below (unless otherwise noted). Bidders are to indicate exactly what they are offering in each one of the following blanks in the "Bidder's Response" Column. If this is not done or it is incomplete, YOUR BID WILL NOT BE CONSIDERED FOR AWARD until you furnish all the information. DO NOT USE "COMPLY", "YES", "OK", "SAME", an "X", a "V", a "CHECKMARK" or a "DITTO" MARK, UNLESS BIDDING EXACTLY AS STATED.

SUPPORTING DATA: Bidders must furnish catalog pages, specification sheets, or similar data to support statements made in the BIDDER'S RESPONSE column. Failure to furnish required data MAY BE CONSIDERED AS CAUSE FOR REJECTION OF BID.

**BASIC REQUIREMENTS:**

**VENDOR NAME:** \_\_\_\_\_

<b>SPECIFICATIONS</b>	<b>BIDDERS RESPONSE</b>
<b><u>Cab Type</u></b> - Conventional cab. One piece tilting hood and front fender assembly with <b>106" BBC</b>	
<b><u>Cab to Axle</u></b> - 84" - for 10 ft. (5 cubic yards) dump body.	
<b><u>Wheelbase</u></b> - Manufacturer's standard for 84 inch cab to axle. <b>Specify wheelbase.</b>	
<b><u>GVWR</u></b> - 30,000 lbs.	
<b><u>Frame</u></b> - 1,375,000 RBM.	
<b><u>Front Axle</u></b> - 12,000 lbs. capacity axle with 12,000 lbs. suspension. Shock absorbers. Wet type wheel bearings and oil seals.	
<b><u>Rear Axle</u></b> - 21,000 lbs. Capacity axle. 23,000 lbs. suspension with multi-leaf auxiliary springs for stabilization.	

SPECIFICATIONS	BIDDERS RESPONSE
<b>Rear Axle Ratio</b> - To provide 60 MPH at 2000 RPM. 2400 RPM maximum RPM at cruise. 1800 minimum RPM at 55 MPH. <b>Specify ratio and provide a performance chart.</b>	
<b>Tires</b> - Front - 11R 22.5 G (14 ply) Highway treads. Rear - 11R 22.5 G (14 ply) traction tread.	
<b>Wheels</b> - 10 hole steel disc wheels 22.5 X 8.25 I.S.O. hub pilot mount. Painted white.	
<b>Spare</b> - Not required.	
<b>Tools - STANDARD</b>	
<b>Engine</b> - Electronic 4 stroke/cycle water cooled diesel with cruise control. (7.2 L) CAT230H.P. 660 lbs. ft. torque. Heavy duty air filter with <u>dash mounted</u> filter restriction indicator. <b>Successful bidder shall contact DOT to set All electronic parameters.</b>	
<b>Cooling System</b> - H.D. radiator with coolant recovery tank. Gates Blue stripe radiator and heater hoses. Fan clutch.	
<b>Exhaust System</b> - Manufacturer's standard. <b>NOTE: Exhaust system and other structural components must clear both P.T.O. openings in transmission by a minimum of 6".</b>	
<b>Transmission</b> - 5 speed automatic. 800 lbs. ft. torque capacity. Allison 3000RDS (close ratio). Equipped with a push button shift selector and a PTO gear. Shall be capable of "Oil Level Check" mode at the selector pad.	
<b>Steering</b> - Power assisted.	
<b>Brakes</b> - Air brakes with spring set parking brake. 13.2 CFM air compressor with inlet line plumbed to air filter or intake manifold. Automatic slack adjusters, front and rear. Heated air dryer, Bendix AD-9 or approved equal.	
<b>Electrical System</b> -100 amp alternator. 2 - 625 CCA batteries. Circuit breakers.	
<b>Fuel Tank</b> - 50 gallon step tank. Left hand or right hand mounts.	
<b>Cab Features</b> - Tinted windshield. Dual sun visors. L.H. and R.H. arm rests. L.H. and R.H. cab entry assist handles. High back air suspended driver's seat. Non-suspended passenger seat. Vinyl upholstery. AM/FM radio. 6" X 16" Stainless West Coast mirrors with 8" convex spots. Roof mounted air horn. Factory air conditioner with heater and fresh air ventilation. R.H. cowl vent. Seat belts with shoulder harness. Cigar lighter and ashtray.	
<b>Lighting</b> - Cab marker lamps. turn signals. Must meet FMVSS 108 Standards.	
<b>Instrumentation</b> - Manufacturer's standard - to include tachometer. Warning lamp and audible alarm for low oil	

SPECIFICATIONS	BIDDERS RESPONSE
pressure or high coolant temperature.	
<b><u>Tow Hooks</u></b> - Front only.	
<b><u>Back-Up Alarm</u></b> - Adjusts automatically to surrounding noise level. ECCO □ Smartalarm □ Model #SA-907, or approved equal.	
<b><u>Color</u></b> - IMRON WHITE	
<b><u>Manuals</u></b> - Manufacturer's standard issue literature, to include Operators Manual, Warranty information, etc.	
<b><u>Warranty</u></b> – Manufacturer's standard, to include a 5 year/100,000 mile ENGINE warranty. <b>Specify all warranties in bid response. Documents (forms, certificates, warranty registration cards, etc.) required to substantiate extended powertrain warranties shall be furnished at time of delivery.</b>	
<b><u>DEALER ADVERTISING</u></b> – The dealer shall not attach any dealer identification, advertising or similar material to the vehicle.	
<b><u>AIR AND ELECTRICAL LINES TO END OF FRAME FOR 25 TON PINTLE HITCH</u></b>	
<b>5 TO 6 CU. YD. DUMP BODY</b> <b>Manufacturer: __OX__</b> <b>Model #: __5CU__</b> <b>OR</b> <b>Approved Equal</b>	
<b><u>Measurements</u></b> – <b>Length</b> – 10' for mounting on a truck with a cab to axle measurement of 84". <b>Width</b> – 7 ft. (inside) <b>Sides</b> – 26", approx.  <b>Ends</b> – 36", approx.	
<b><u>Capacity</u></b> – 5 cubic yards water level – 6 cubic yards heaped.	
<b><u>Material</u></b> – Hi-tensile steel. Yield strength – 45,000 lbs. per square inch.	
<b><u>Construction</u></b> – Floor – 3/16 inches thick. The floor shall be smooth with a 2" radius or 45 degree angle where the floor meets the sides for clean dumping. Cross members shall be on 12" centers. Describe sub frame construction. Tailgate – 8 gauge hi-tensile steel with lifting bail. Boxed perimeter with horizontal or vertical bracing. H.D. 3/8" spreader chains with chain hooks top and bottom. Body sides and front bulkhead – 8 gauge hi-tensile steel. Boxed top rails and corner posts.	

SPECIFICATIONS	BIDDERS RESPONSE
Sides fitted with pockets for side boards. Walk rails down both sides of body, 6" to 8" above bottom of body. Walk rails shall be grip strut material and 1" minimum width.	
<b><u>Cab Protector</u></b> - Half cab coverage.	
<b><u>Hoist/Hoist Frame</u></b> – 12 ton capacity. NTEA Class 40, type V under body hoist. 7" cylinder with a chromed piston rod. 50 degree dump angle. All pivot points fitted with zerk fittings for lubrication. Plastic or nylon bushings are not acceptable. The hydraulic pump shall be a direct mount unit with cast iron housing and wear plates.	
<b><u>P.T.O. and Controls</u></b> – Console style control tower. P.T.O. shift (in and out). Hoist control (raise, hold, lower). Hoist control lever lock-out. P.T.O. shall be properly mounted and shimmed for quiet operation and easy shifting. A control console mounted indicator light alerts  Operator when P.T.O. is engaged.	
<b><u>PINTLE HITCH 25 TON</u></b>	
<b><u>Tarp Assembly</u></b> – Electric dump body covering system with underbody spring assisted roll-out. Direct drive 12 volt, 1/4 HP motor. <u>Aero Industries Model #500, or approved equal. The tarp assembly shall be installed following the manufacturers installation instructions.</u> Tarp mechanism fitted with a tarp wind deflector. H.D. PVC mesh tarp. Provisions for fastening tarp while in transport. The tarp mechanism can be easily operated by a self-centering rotary switch mounted on the dump control console. 3 year (non-prorated) warranty on drive motor.	
<b><u>Mud Flaps</u></b> – Anti-spray flaps.	
<b><u>Lighting/Reflectors/Wiring</u></b> - Manufacturer's standard to include stop, tail, turn signal and back-up lamps in upper portion of rear corner posts. Truck lite 6000 series or comparable. See ATTACHMENT □1□. Must meet FMVSS 108 Standards. PTO and dump raised indicator lamps shall be wired to a <u>switched</u> power source. Electrical wiring shall be enclosed in conduit and attached to body with mechanical fasteners. Scotch-lok connectors are <u>not acceptable</u> .	
<b><u>Safety Devices</u></b> – One safety prop on each side of body. Equipped with a "body-up" indicator lamp mounted on the control console. Caution and notice decals shall be installed following the dump body manufacturers instructions. The	



SPECIFICATIONS	BIDDERS RESPONSE
body shall be equipped with all O.S.H.A. required safety equipment.	
<b><u>Body Preparation and Paint Process</u></b> – The body shall be clean and free of rust, scale, welding slag and oils. The metal shall be cleaned with a multi-purpose metal cleaner and conditioner. Sherwin Williams <u>MET-L-ETCH # W4-K288</u> or comparable. The body shall be primed with a high build Epoxy Primer. Sherwin Williams <u>#E2-A976, # E2-R978</u> or comparable. The body shall be painted with high gloss acrylic enamel paint with a hardener added for durability. Sherwin Williams <u>Acrylyd</u> Acrylic Enamel with <u>#V6V247</u> hardener or comparable. The body shall be painted BLACK. Describe body preparation and finishing process.	
<b><u>Frame Rails</u></b> – The truck frame rails shall be cut at a 45 degree angle. The cut shall start 1 to 2 inches behind the rear sub frame cross member.	
<b><u>Manuals</u></b> – Operator's/Parts Manual- 1 each per unit.	
<b><u>Warranty</u></b> – 12 months total coverage to include workmanship, parts and labor.	

**Category 3:** Ford F-550 Super Duty, Freightliner FL 50, International 4700  
Aerial lift truck, 17,500 lbs. GVWR With an articulating arm,  
telescopic upper boom and bucket rotator OR EQUAL, (3c)

**Bid Price:** \_\_\_\_\_ (1 only)

**Make/Model Proposed** \_\_\_\_\_

**DELIVERY - CALENDAR DAYS ARO:** \_\_\_\_\_

**VENDOR INFORMATION:** The vehicle offered shall be comparable with the detailed requirements listed below (unless otherwise noted). Bidders are to indicate exactly what they are offering in each one of the following blanks in the "BIDDER'S RESPONSE" COLUMN. USE "COMPLY" ONLY IF YOU ARE SUPPLYING EXACTLY AS REQUESTED. IF THIS IS NOT DONE, YOUR BID WILL NOT BE CONSIDERED FOR AWARD until you furnish all the information.

**SUPPORTING DATA:** Bidder's must furnish catalog pages, specification sheets, or similar data to support statements made in BIDDER'S RESPONSE COLUMN. Failure to furnish required data MAY BE CONSIDERED AS CAUSE FOR REJECTION OF BID.

- **Cab:** to Axle – 84 inches
- **GVWR:** 17,500 lbs.
- **Frame:** 36,000 PSI steel
- **Front Axle:** 6,000 lbs. capacity with full floating axles, 1,3500 lbs. suspension with auxiliary springs for stabilization. Shock absorbers. Rear stabilizer bar
- **Rear Axle Ratio:** Manufacturers standard, 70 MPH cruising speed. **Specify ratio.**
- **Tires and Wheels:** Manufacturer's standard steel belted radials for 17,500 lbs. GVWR. **Specify tire size, load range rating and tread design.**
- **Spare:** Full size, same as six (6) on truck
- **Tools** Lug wrench
- **Engine:** Diesel, 8 cylinder, 6.0 L (444 cid), 325 HP, 560 lbs ft. torque. Engine oil cooler, fuel filters(s) with water separator. Fan clutch. The tail pipe shall be modified to route exhaust outside the utility body skirting. Engine must be LEV certified. Engine idle control kit.
- **Cooling System:** Pressurized system with coolant recovery tank
- **Transmission:** Five (5) speed automatic with heavy duty or auxiliary transmission oil cooler. The transmission shall be equipped with a PTO gear.
- **Steering:** Power assisted
- **Brakes:** Power assisted hydraulic brakes
- **Electrical System:** Two (2) 12 volt batteries, 1500 CCA at 0 degrees F, 115 amp alternator

- **Fuel Tank(s)**: 35 gallons. Specify if single or dual tank(s)
- **Cab Features**: Bench seat with vinyl upholstery, 7" x 16" stainless West Coast Mirrors with 8" with convex spots. Tinted windshield. AM/FM radio. Manufacturer's standard heater with fresh air ventilation and air conditioner Dome lamp. Rubber floor mats
- **Factory Integrated Cab Steps**:
- **Lighting**: Manufacturer's standard
- **Instrumentation**: Manufacturer's standard to include a tachometer and engine hour meter
- **Back-Up alarm**: Adjusts automatically to surrounding noise level. Ecco "Smart alarm", #SA-907 or approved equal
- **Color**: White, DuPont or approved
- **Manuals**: Manufacturer's standard
- **Warranty**: Manufacturer's standard.
- **Specify all warranties in bid response.**

This specification is to set forth minimum requirements for an aerial device.

This aerial device shall be to the manufacturer's standard. It shall be equipped with the manufacture's equipment and accessories which are included as standard in the advertised and published literature for the unit. No such item of equipment or accessories shall be removed or omitted for the reason that it was not specified in the bid.

Any alternate bid or exception to the specifications set forth must be stated in the bid. Please place an "X" in the appropriate space (Below "YES" or "NO") to signify whether or not the unit is in complete compliance with the specifications. Failure to follow the format or answer the specifications may cause your bid to be disqualified. If extra space is required to describe the product, please provide attachments with the appropriate reference number.

#### COMPLY

#### A. MINIMUM LIFT SPECIFICATIONS (Based on 36 in. frame height): YES NO

##### SST-37-EIH

Insulated telescopic/articulating aerial device with a minimum platform height of 36.7 ft. (11.18 m). Working height shall be no less than 41.7 ft. (12.7 m).

Horizontal Reach to be a minimum of 27.75 ft. (8.5 m) \_\_\_\_\_

Travel height not to exceed 10 feet (3 m). Based on 36 in. frame height.

Minimum platform capacity of 350 lbs (160 kg). \_\_\_\_\_

The unit must be manufactured in a ISO 9001 certified facility. \_\_\_\_\_

## 1.0 CONTROL SYSTEM

The Unitrol single-stick upper control consists of a multi-jointed handle which operates the control valve. A safety trigger located on the underside of the single stick handle will not allow boom movement until it is depressed. An emergency stop control is provided.

- 1.1 Individual full-pressure controls at the turret actuate all boom functions. The lower control station is equipped with a selector valve to override the upper controls.
- 1.2 The hydraulic control valves are full pressure and full flow. \_\_\_\_\_
- 1.3 The start/stop system has been designed so that the lift cannot be operated normally unless the power switch is activated and the truck ignition is in the "on" position. This feature makes it difficult for unauthorized individuals to operate the lift when the truck is locked. Start/stop controls are located at the upper and lower control stations. \_\_\_\_\_
- 1.4 Emergency power system consisting of a hydraulic pump driven by a DC motor, powered by the truck engine battery. The system is connected in parallel with the main pump and is designed for non-continuous operation. This system can be operated from the upper or lower controls. \_\_\_\_\_
- 1.5 Priority flow control valve provides choice allows 3 gpm flow for lift operation or increased flow for a hydraulic tool circuit. This system can be operated from the upper or lower controls. \_\_\_\_\_

## 2.0 OUTER/INNER BOOM ASSEMBLY

- 2.1 The outer/inner boom assembly includes outer boom, telescopic inner boom, extension system, and hose assemblies. The hoses routed through the outer/inner boom assembly are non-conductive and fully contained within the boom assembly.
- 2.2 The outer boom consists of a 6 in. x 8 in. (150 mm x 200 mm) steel section and a 7.5 in. x 9.5 in. (190 mm x 240 mm) fiberglass section (Electrogard). \_\_\_\_\_
- 2.2 The unit must maintain a 42 in. (1.08 m) insulation gap with the inner boom fully retracted.
- 2.3 The extension system consists of a hydraulic cylinder, two holding valves, and a hose carrier housed entirely within the boom assembly. The inner boom does not have to be removed to service the extension cylinder or slide

- 2.4 Minimum Inner Boom Extension of 116 inches (2.95 m). \_\_\_\_\_
- 2.5 Hydraulic extension cylinder with wear rings on the piston and end gland and a holding valve mounted to the cylinder base. The hose carrier system is a multi-link assembly with adequate space to carry hoses to the upper control station. \_\_\_\_\_
- 2.6 Ultra high molecular weight plastic slide pads mounted on the inner boom can be changed without removing the inner boom. The outer boom side and top slide pads are infinitely adjustable and the lower pad can be replaced without removing the inner boom. \_\_\_\_\_
- 2.7 The telescoping outer/inner boom assembly articulates from 14 degrees below horizontal to 74 degrees above horizontal. A double acting cylinder, equipped with counter balance holding valves provides boom elevation. \_\_\_\_\_
- 2.8 A boom support saddle type cradle is included.

### **3.0 LOWER BOOM ASSEMBLY**

- 3.1 The lower boom consists of a 6 in. (150 mm) square steel section. A double acting cylinder with dual holding valves allows the lower boom to articulate from 7 degrees below horizontal to vertical for a total travel of 97 degrees. \_\_\_\_\_
- 3.2 A compensation link forms a parallelogram linkage to maintain the outer/inner boom assembly at a constant angle to the turret. \_\_\_\_\_

### **4.0 TURRET/ROTATION**

- 4.1 The turret wings are 1/2 in. (13 mm) thick steel plate. A steel tube is welded between the turret wings to support the boom cylinder and provide rigidity. \_\_\_\_\_
- 4.2 The turret plate is machined flat to support the rotation bearing. A bearing cover is provided to prevent foreign material from interfering with lift rotation.
- 4.3 Rotation is continuous and unrestricted in either direction. This is accomplished by a hydraulically driven worm and spur gear acting on a shear-ball rotation bearing. An eccentric ring gearbox mounting allows for precise adjustments to the gearbox to pinion clearance. \_\_\_\_\_
- 4.4 The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are SAE grade 8. These critical bolts are Torque Seal Marked to provide a

quick means to inspect for loosening. \_\_\_\_\_

## 5.0 PEDESTAL

- 5.1 The pedestal is a round shape with an access opening on both sides. The 12 gallon (45l) hydraulic reservoir is built integral to the pedestal. \_\_\_\_\_
- 5.2 The top plate of the pedestal is 1-1/4 in. (32 mm) thick and machined flat to support the rotation bearing. \_\_\_\_\_
- 5.3 Dual sight gages are furnished on the pedestal for checking fluid level.
- 5.4 A 100 mesh suction strainer, 10 micron return filter and ~~shut-off valves~~ are located inside the pedestal.

## 6.0 PLATFORMS and OPTIONS

- 6.1 24 in. x 30 in. x 42 in. (.61m x .76 m x 1.07m) closed fiberglass platform with one step.
- 6.2 Platform must be end mounted with hydraulically leveled platform. The leveling system includes a master/slave cylinder arrangement that can be actuated from the upper controls for cleanout or rescue.
- 6.2 Hydraulic leveling control at the lower control (turret) to aid in cleanout or rescue.
- 6.2 A hydraulic platform rotator, operated by a control lever, rotates the platform 180 degrees from one side of the outer/inner boom assembly, across the end -hung position, the other side of the outer/inner boom assembly.
- 6.3 Body harness and lanyard. The anchor for the lanyard is attached to the inner boom. \_\_\_\_\_
- 6.3 Platform liner, tested and rated for 50 kV AC. \_\_\_\_\_
- 6.3 Soft vinyl platform cover. \_\_\_\_\_

## 7.0 PLATFORM TOOLS

- 7.0 Hydraulic tool power is supplied at the upper controls with two 1/2 in. (12.7 mm) diameter hoses, one for pressure and one for return. A pressure reducing valve built into the control valve is used to limit the tool pressure. This valve is ~~pre~~-set at 2000 PSI (140 kg/cm<sup>2</sup>). The tool circuit provides up to 7 **GPM (26.5 LPM)** flow rate.

7.1 Hydraulic tool power is supplied at the lower controls

## 8.0 HYDRAULIC SYSTEM

8.1 The open-center hydraulic system operates at 3 gpm (11.4 lpm) at 2250 psi (158 kg/cm<sup>2</sup>). The pump draws oil through a 100-mesh suction screen. A 10-micron return line filter with bypass valve is included. Fluid level gages are furnished for checking fluid level. \_\_\_\_\_

8.2 Hydraulic power provided by PTO/pump configuration. \_\_\_\_\_

## 9.0 GENERAL

9.1 Non-lube bearings are used at most points of motion. Only the rotation gearbox bearing require periodic lubrication.

The complete unit is primed and painted with standard ~~white urethane~~ prior to assembly.

9.3 The high pressure hoses routed through the booms are non-conductive hoses with swaged hose end fittings. Reusable hose fittings can be installed if a hose is damaged.

9.4 Two operator's manuals and two service manuals are included. \_\_\_\_\_

9.5 All cylinders are equipped with type AQ seals, nylon backup rings, non-metallic bearings on pistons and end glands, rod wiper rings, threaded and welded rod ends, and chrome plated rods \_\_\_\_\_

9.6 The extension cylinder has wear rings on the piston and end gland for extended seal life. Dual holding valves are mounted at the extension cylinder base to prevent boom creep during travel or uncontrolled movement in case of hydraulic hose failure. The extension cylinder can be removed without removing the inner boom. A hydraulic regeneration feature on the extension cylinder provides extension and retraction at approximately the same speed. The boom elevation cylinder has a single holding valve. \_\_\_\_\_

9.7 Pins are high strength alloy steel and chrome plated for a hard finish and corrosion resistance. Cylinder pins are held in place with Torque Seal marked bolts at one end and a pin cap bolted to the other end. \_\_\_\_\_

## 10.0 STABILIZATION

10.0 Stabilization by front and rear torsion bars. Torsion bars include rubber bushings at

pivot points and do not require lubrication.

**B. MINIMUM CHASSIS SPECIFICATIONS**

**1.0**

Minimum Cab to Rear Axle Dimensions	60 in. (1.52 m)
Minimum Frame Section Modulus	9.25 in3 (152 cm3)
Minimum Frame Resisting Bending Moment	333,000 in.-lbs. (37,600 N-m)
GVWR1	17,500 lbs. (7935 kg)
GVWR (Front)	6,000 lbs. (2720 kg) GVWR (Rear)
	13,500 lbs. (6120 kg)